

Converting Colors

$Y_{xy}(113.0872, 0.3010, 0.3752)$

Have a look what the booklet for
Yxy(113.0872, 0.3010, 0.3752)
contains.

Yxy(92.9087, 0.3009, 0.3464)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(92.9087, 0.3009, 0.3464)

Conversions

Conversions Part 1

Format	Color
Hex	DCFFEE
RGB	220, 255, 238
RGB Percent	86%, 100%, 93%
CMY	0.1374, 0.0000, 0.0665
CMYK	0.14, 0.00, 0.07, 0.00
HSL	151°, 100%, 93%
HSV	151°, 14%, 100%
XYZ	80.7050, 92.9087, 94.5984
YIQ	242.5970, -15.4030, -12.7070

Conversions

Conversions Part 2

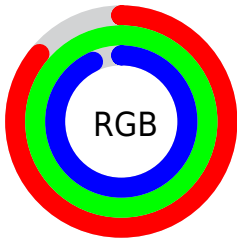
Format	Color
R _Y B	220, 243, 255
Decimal	14483438
CIE Lab	97.19, -14.42, 4.32
CIE LCh	97, 15.054, 163.342
Yxy	92.9087, 0.3009, 0.3464
Android (android.graphics.Color)	4292673518 (0xFFDCFFEE)
YUV	242.5970, -2.2663, -19.8176
Hunter-Lab	96.3892, -19.2259, 9.2839

Details

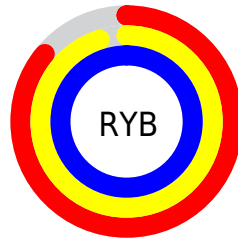
The Yxy color $92.9087, 0.3009, 0.3464$ is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be $78.5405, 0.3264, 0.3122$, and the grayscale version is $89.3136, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $51.7649, 0.2987, 0.3501$ is the 20% darker color. If you saturate the color by 10%, you get $88.5258, 0.2927, 0.3608$, and if you desaturate by 10%, it is $97.9433, 0.3095, 0.3335$.

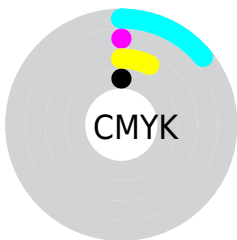
Distribution



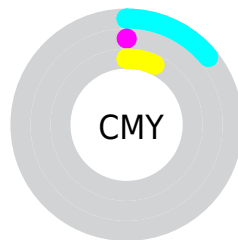
- Red (86%)
- Green (100%)
- Blue (93%)



- Red (86%)
- Yellow (95%)
- Blue (100%)



- Cyan (14%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (14%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.9087, 0.3009, 0.3464 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 92.9087, 0.3009, 0.3464 by changing the saturation by 10% instead.

 92.9087, 0.3009,
0.3464

 92.9087, 0.3009,
0.3464


537.4480, 0.3062,
0.3386

 70.3956, 0.2997,
0.3481


151.3722, 0.3027,
0.3437

 51.8491, 0.2983,
0.3502


188.0914, 0.3034,
0.3427

 36.8848, 0.2965,
0.3529


230.3148, 0.3040,
0.3418

 25.1183, 0.2943,
0.3563

278.4267, 0.3046,
0.3410

 16.1652, 0.2913,
0.3608

332.8116, 0.3050,
0.3403

 9.6412, 0.2871,
0.3671

393.8539, 0.3055,

 5.1617, 0.2809,

0.3397

0.3764

461.9379, 0.3058,
0.3391

■ 2.3424, 0.2708,
0.3919

■ 0.7960, 0.2291,
0.4509

■ 92.9087, 0.3009,
0.3464

■ 92.9087, 0.3009,
0.3464

■ 88.5258, 0.2927,
0.3608

■ 97.9433, 0.3095,
0.3335

■ 84.7735, 0.2851,
0.3766

100.0000, 0.3127,
0.3290

■ 81.6189, 0.2784,
0.3937

■ 79.0288, 0.2730,
0.4119

■ 76.9666, 0.2692,
0.4309

■ 75.3914, 0.2673,
0.4502

■ 74.2558, 0.2675,
0.4693

■ 73.5021, 0.2697,
0.4876

■ 73.1736, 0.2718,
0.4986

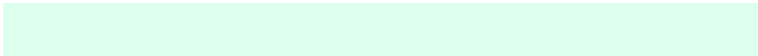
Harmonies

Analogous

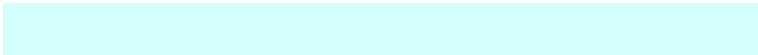
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.9087, 0.3175, 0.3562



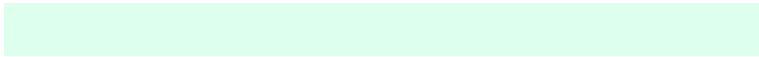
92.9087, 0.3009, 0.3464



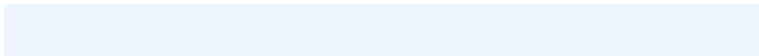
92.9087, 0.2877, 0.3316

Triad

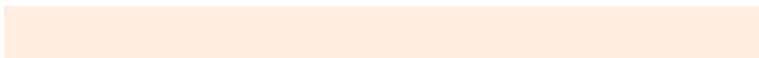
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.9087, 0.3009, 0.3464



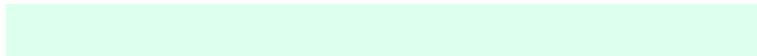
92.9087, 0.2921, 0.3009



92.9087, 0.3455, 0.3400

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



92.9087, 0.3009, 0.3464



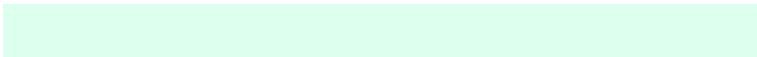
78.5405, 0.3264, 0.3122

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.9087, 0.3383, 0.3257



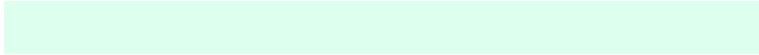
92.9087, 0.3009, 0.3464



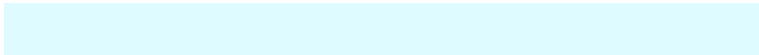
92.9087, 0.3072, 0.3035

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.9087, 0.3009, 0.3464



92.9087, 0.2827, 0.3054



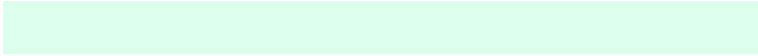
92.9087, 0.3242, 0.3125



92.9087, 0.3435, 0.3520

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



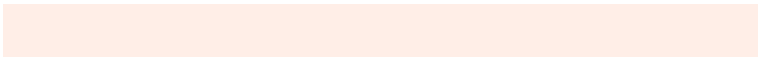
92.9087, 0.3009, 0.3464



92.9087, 0.2824, 0.3213



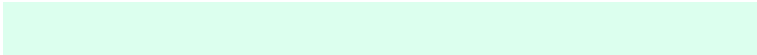
92.9087, 0.3242, 0.3125



92.9087, 0.3440, 0.3353

Sweetspot

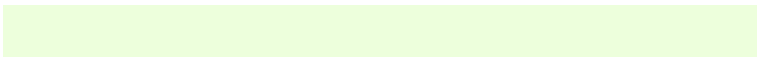
The Sweet Spot groups the original color and five complimentary colors.



92.9063, 0.3009, 0.3464



97.8025, 0.3092, 0.3338



94.7737, 0.3220, 0.3644



20.8479, 0.3086, 0.3347



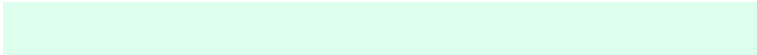
0.0000, 0.0000, 0.0000



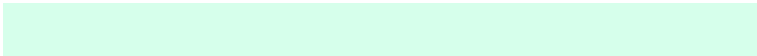
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.9063, 0.3009, 0.3464



91.8587, 0.2990, 0.3495



93.9508, 0.2917, 0.3289



20.3247, 0.3045, 0.3407



38.2651, 0.2710, 0.4957



3.7478, 0.2654, 0.4754

Inverse Universe

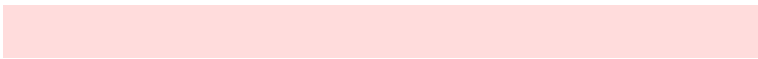
The Inverse Universe completely reimagines the original color for something new.



78.5405, 0.3264, 0.3122



75.3922, 0.3290, 0.3094



77.5959, 0.3382, 0.3291



18.1336, 0.3218, 0.3175



11.8919, 0.5032, 0.2546



1.1798, 0.4769, 0.2401

Previews

White Background



This preview shows how the Yxy color 92.9087, 0.3009, 0.3464 looks on a white background.

Color Contrast Check

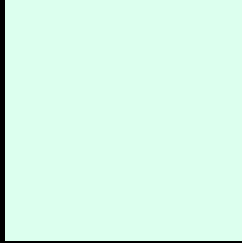
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 92.9087, 0.3009, 0.3464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

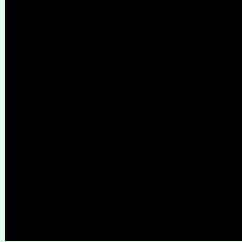
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

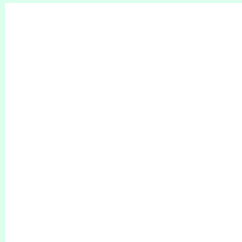
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 92.9087, 0.3009, 0.3464

Background



This preview shows how black text looks on a background with the Yxy color 92.9087, 0.3009, 0.3464.

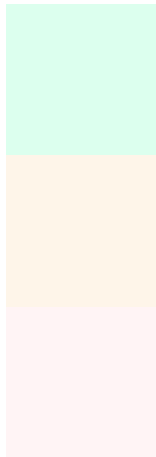


This preview shows how white text looks on a background with the Yxy color 92.9087, 0.3009, 0.3464.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

92.9087, 0.3009, 0.3464

Protanopia

92.2588, 0.3259, 0.3408

Deuteranopia

92.5539, 0.3193, 0.3281



Tritanopia

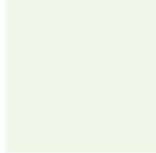
92.8801, 0.3036, 0.3221

Trichromacy



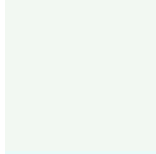
Original Color

92.9087, 0.3009, 0.3464



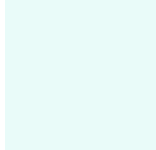
Protanomaly

92.6268, 0.3165, 0.3430



Deuteranomaly

92.4229, 0.3124, 0.3349



Tritanomaly

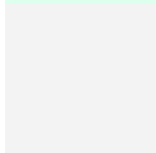
93.1576, 0.3027, 0.3310

Monochromacy



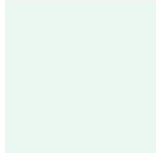
Original Color

92.9087, 0.3009, 0.3464



Achromatopsia

89.6269, 0.3127, 0.3290



Achromatomaly

90.5346, 0.3086, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.9087, 0.3009, 0.3464 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(220, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 238)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(220, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 238) }
```

Border

The CSS property to change the border of an element to Yxy 92.9087, 0.3009, 0.3464 is called "border". The border property can be set on classes, ids or directly on the HTML element.

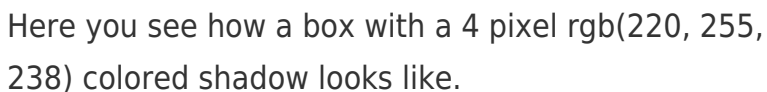
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(220, 255, 238) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(220, 255, 238) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(220, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(220, 255, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(220, 255, 238); box-shadow:4px 4px 4px 4px rgb(220, 255, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 92.9087, 0.3009, 0.3464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 238) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(220,  
255, 238) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor