

Converting Colors

$Y_{xy}(107.9610, 0.2999, 0.3715)$

Have a look what the booklet for
Yxy(107.9610, 0.2999, 0.3715)
contains.

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Color

Yxy(92.1751, 0.2997, 0.3487)

Conversions

Conversions Part 1

Format	Color
Hex	D8FFEC
RGB	216, 255, 236
RGB Percent	85%, 100%, 93%
CMY	0.1528, 0.0000, 0.0747
CMYK	0.15, 0.00, 0.07, 0.00
HSL	151°, 100%, 92%
HSV	151°, 15%, 100%
XYZ	79.2225, 92.1751, 92.9417
YIQ	241.1730, -17.1450, -14.1770

Conversions

Conversions Part 2

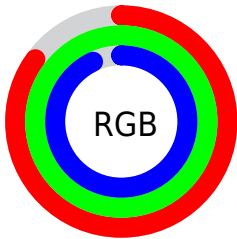
Format	Color
R _Y B	216, 242, 255
Decimal	14221292
CIE Lab	96.89, -16.05, 4.92
CIE LCh	97, 16.789, 162.956
Yxy	92.1751, 0.2997, 0.3487
Android (android.graphics.Color)	4292411372 (0xFFD8FFEC)
YUV	241.1730, -2.5503, -22.0767
Hunter-Lab	96.0079, -20.7215, 9.8090

Details

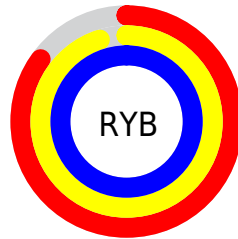
The Yxy color **92.1751, 0.2997, 0.3487** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.3941, 0.3280, 0.3101**, and the grayscale version is **88.1422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.2605, 0.2971, 0.3531** is the 20% darker color. If you saturate the color by 10%, you get **87.8913, 0.2916, 0.3635**, and if you desaturate by 10%, it is **97.1192, 0.3082, 0.3354**.

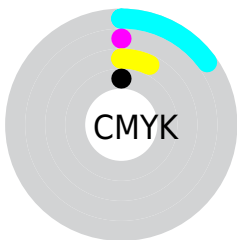
Distribution



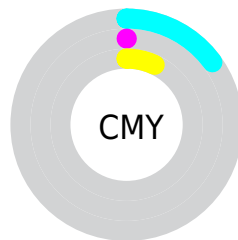
- Red (85%)
- Green (100%)
- Blue (93%)



- Red (85%)
- Yellow (95%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.1751, 0.2997, 0.3487 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 92.1751, 0.2997, 0.3487 by changing the saturation by 10% instead.


 92.1751, 0.2997,
0.3487

 92.1751, 0.2997,
0.3487


535.0813, 0.3055,
0.3398

 69.7861, 0.2984,
0.3507


150.3561, 0.3017,
0.3457

 51.3522, 0.2968,
0.3531


186.9168, 0.3025,
0.3445

 36.4889, 0.2949,
0.3561


228.9702, 0.3032,
0.3434

 24.8121, 0.2923,
0.3600

276.9006, 0.3038,
0.3425

 15.9371, 0.2890,
0.3651

331.0926, 0.3043,
0.3417

 9.4796, 0.2843,
0.3724

391.9304, 0.3047,

 5.0553, 0.2774,

0.3410

0.3832

459.7985, 0.3052,
0.3404

■ 2.2798, 0.2660,
0.4013

■ 0.7630, 0.2106,
0.4820

■ 92.1751, 0.2997,
0.3487

■ 92.1751, 0.2997,
0.3487

■ 87.8913, 0.2916,
0.3635

■ 97.1192, 0.3082,
0.3354


■ 84.2285, 0.2842,
0.3796


100.0000, 0.3127,
0.3290


■ 81.1594, 0.2777,
0.3971

■ 78.6501, 0.2726,
0.4157

 76.6637, 0.2691,
0.4349

 75.1581, 0.2676,
0.4544

 74.0848, 0.2681,
0.4736

 73.3838, 0.2706,
0.4919

 73.1422, 0.2723,
0.5002

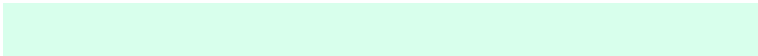
Harmonies

Analogous

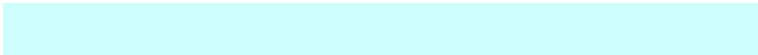
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.1751, 0.3183, 0.3597



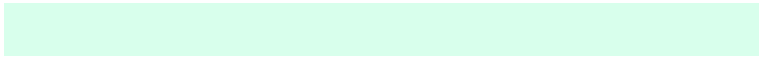
92.1751, 0.2997, 0.3487



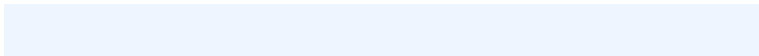
92.1751, 0.2849, 0.3321

Triad

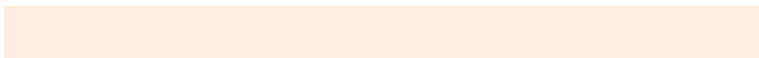
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.1751, 0.2997, 0.3487



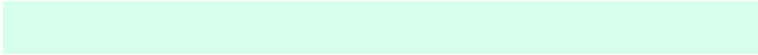
92.1751, 0.2895, 0.2976



92.1751, 0.3493, 0.3410

Complementary

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



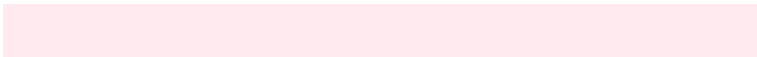
92.1751, 0.2997, 0.3487



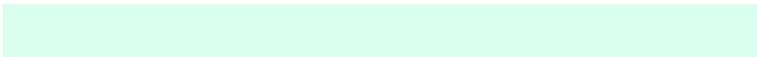
76.3941, 0.3280, 0.3101

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.



92.1751, 0.3412, 0.3250



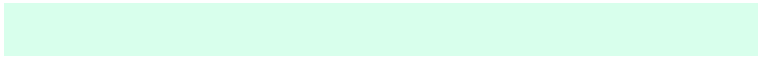
92.1751, 0.2997, 0.3487



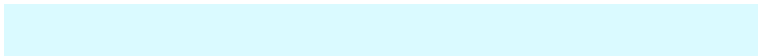
92.1751, 0.3063, 0.3005

Square

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



92.1751, 0.2997, 0.3487



92.1751, 0.2791, 0.3028



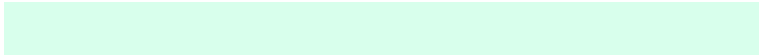
92.1751, 0.3252, 0.3104



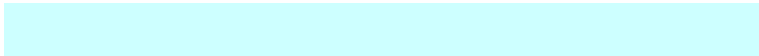
92.1751, 0.3473, 0.3545

Rectangle

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



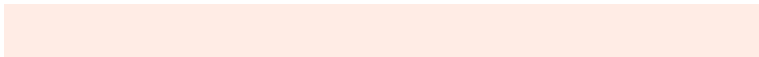
92.1751, 0.2997, 0.3487



92.1751, 0.2790, 0.3205



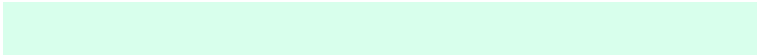
92.1751, 0.3252, 0.3104



92.1751, 0.3477, 0.3358

Sweetspot

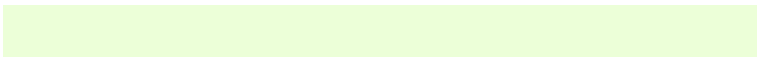
The Sweet Spot groups the original color and five complimentary colors.



92.1786, 0.2997, 0.3487



97.2667, 0.3084, 0.3351



94.2305, 0.3231, 0.3686



20.7398, 0.3078, 0.3360



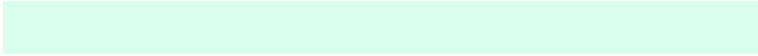
0.0000, 0.0000, 0.0000



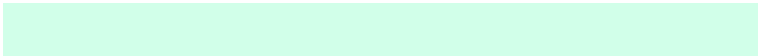
21.4041, 0.3127, 0.3290

Same Dimension

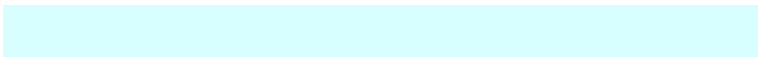
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.1786, 0.2997, 0.3487



90.9486, 0.2974, 0.3526



93.3448, 0.2894, 0.3289



20.3232, 0.3046, 0.3409



38.2487, 0.2715, 0.4973



3.7462, 0.2658, 0.4768

Inverse Universe

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



76.3941, 0.3280, 0.3101



72.7095, 0.3313, 0.3066



75.3513, 0.3416, 0.3291



18.1350, 0.3217, 0.3174



11.9073, 0.5013, 0.2535



1.1814, 0.4752, 0.2391

Previews

White Background



This preview shows how the Yxy color 92.1751, 0.2997, 0.3487 looks on a white background.

Color Contrast Check

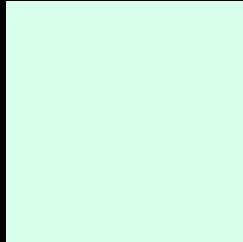
Large Text (above 18pt) WCAG AA × Fail

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 92.1751, 0.2997, 0.3487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

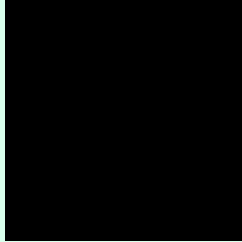
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

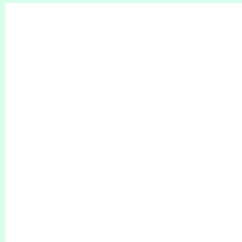
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 92.1751, 0.2997, 0.3487

Background



This preview shows how black text looks on a background with the Yxy color 92.1751, 0.2997, 0.3487.

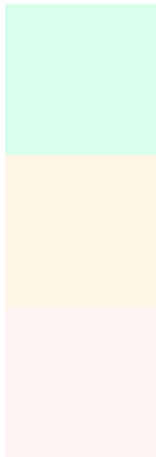


This preview shows how white text looks on a background with the Yxy color 92.1751, 0.2997, 0.3487.

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

92.1751, 0.2997, 0.3487

Protanopia

92.0888, 0.3278, 0.3437

Deuteranopia

91.8928, 0.3199, 0.3281



Tritanopia

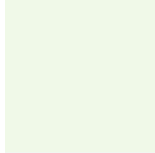
91.7461, 0.3018, 0.3211

Trichromacy



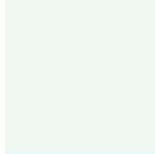
Original Color

92.1751, 0.2997, 0.3487



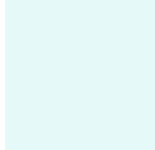
Protanomaly

92.1028, 0.3170, 0.3461



Deuteranomaly

91.5732, 0.3124, 0.3350



Tritanomaly

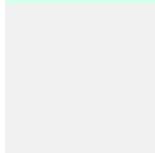
91.8065, 0.3008, 0.3310

Monochromacy



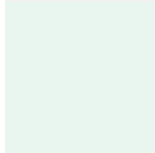
Original Color

92.1751, 0.2997, 0.3487



Achromatopsia

87.9622, 0.3127, 0.3290



Achromatomaly

89.2993, 0.3079, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.1751, 0.2997, 0.3487 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(216, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 236)  
}
```

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(216, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 236) }
```

Border

The CSS property to change the border of an element to Yxy 92.1751, 0.2997, 0.3487 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(216, 255, 236) }
```

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

```
.border{ border-color:rgb(216, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 255, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 255, 236); box-shadow:4px 4px 4px 4px rgb(216, 255, 236) }
```


Background

The CSS property to change the background color of an element to Yxy 92.1751, 0.2997, 0.3487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 236) }
```

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

```
.background{ background-color: rgb(216,  
255, 236) }
```

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](#).

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