

Converting Colors

$Yxy(90.7364, 0.3002, 0.3459)$

Have a look what the booklet for
Yxy(90.7364, 0.3002, 0.3459)
contains.

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Color

Yxy(90.4286, 0.3003, 0.3456)

Conversions

Conversions Part 1

Format	Color
Hex	D9FCEC
RGB	217, 252, 236
RGB Percent	85%, 99%, 93%
CMY	0.1488, 0.0118, 0.0746
CMYK	0.14, 0.00, 0.06, 0.01
HSL	152°, 85%, 92%
HSV	152°, 14%, 99%
XYZ	78.5755, 90.4286, 92.6527
YIQ	239.7110, -15.7240, -12.3960

Conversions

Conversions Part 2

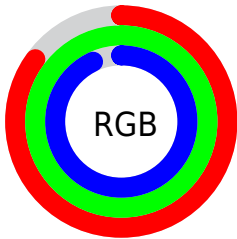
Format	Color
R _Y B	217, 240, 252
Decimal	14286060
CIE Lab	96.17, -14.24, 3.88
CIE LCh	96, 14.762, 164.759
Yxy	90.4286, 0.3003, 0.3456
Android (android.graphics.Color)	4292476140 (0xFFD9FCEC)
YUV	239.7110, -1.8295, -19.9175
Hunter-Lab	95.0940, -18.9210, 8.7979

Details

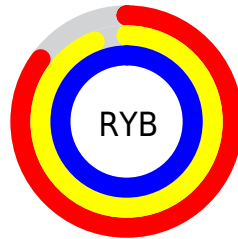
The Yxy color **90.4286, 0.3003, 0.3456** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.2368, 0.3271, 0.3130**, and the grayscale version is **86.9321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0069, 0.2978, 0.3491** is the 20% darker color. If you saturate the color by 10%, you get **86.2100, 0.2918, 0.3592**, and if you desaturate by 10%, it is **95.2879, 0.3092, 0.3334**.

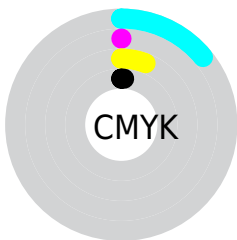
Distribution



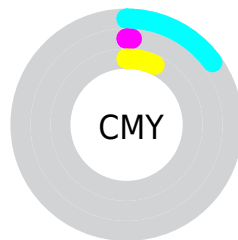
- Red (85%)
- Green (99%)
- Blue (93%)



- Red (85%)
- Yellow (94%)
- Blue (99%)



- Cyan (14%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)





- Cyan (15%)
- Magenta (1%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.4286, 0.3003, 0.3456 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 90.4286, 0.3003, 0.3456 by changing the saturation by 10% instead.


 90.4286, 0.3003,
0.3456

 90.4286, 0.3003,
0.3456

529.4241, 0.3059,
0.3381

 68.3362, 0.2991,
0.3473

147.9336, 0.3022,
0.3430

 50.1713, 0.2976,
0.3493

184.1150, 0.3030,
0.3420

 35.5495, 0.2957,
0.3518


225.7614, 0.3036,
0.3412

 24.0865, 0.2933,
0.3551

273.2574, 0.3042,
0.3404

 15.3978, 0.2901,
0.3595

326.9872, 0.3047,
0.3397

 9.0990, 0.2856,
0.3656

387.3354, 0.3051,

 4.8058, 0.2789,

0.3391

0.3748

454.6862, 0.3055,
0.3386

■ 2.1338, 0.2680,
0.3902

■ 0.6835, 0.2071,
0.4687

■ 90.4286, 0.3003,
0.3456

■ 90.4286, 0.3003,
0.3456

■ 86.2100, 0.2918,
0.3592

■ 95.2879, 0.3092,
0.3334

■ 82.5932, 0.2839,
0.3741

■ 98.0970, 0.3128,
0.3261

■ 79.5524, 0.2769,
0.3903

■ 77.0557, 0.2713,
0.4074

■ 75.0675, 0.2674,
0.4253

■ 73.5483, 0.2653,
0.4436

■ 72.4521, 0.2653,
0.4616

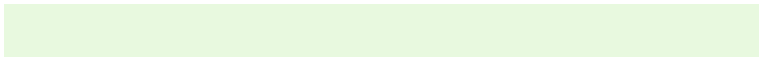
■ 71.7229, 0.2673,
0.4792

■ 71.4083, 0.2693,
0.4895

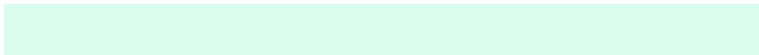
Harmonies

Analogous

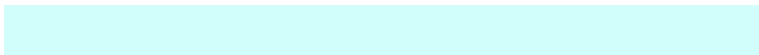
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4286, 0.3167, 0.3557



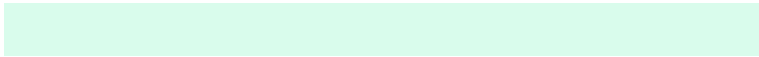
90.4286, 0.3003, 0.3456



90.4286, 0.2874, 0.3309

Triad

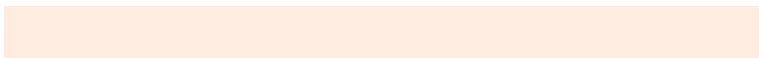
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.4286, 0.3003, 0.3456



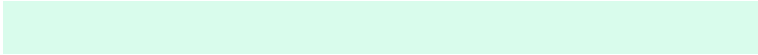
90.4286, 0.2929, 0.3011



90.4286, 0.3452, 0.3406

Complementary

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



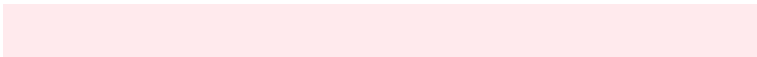
90.4286, 0.3003, 0.3456



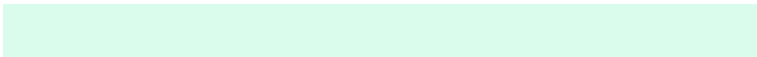
76.2368, 0.3271, 0.3130

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.



90.4286, 0.3385, 0.3264



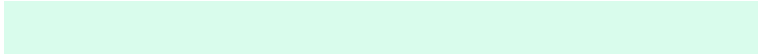
90.4286, 0.3003, 0.3456



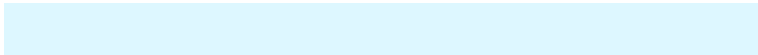
90.4286, 0.3081, 0.3041

Square

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



90.4286, 0.3003, 0.3456



90.4286, 0.2833, 0.3053



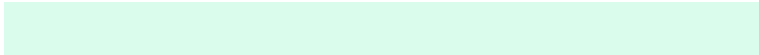
90.4286, 0.3248, 0.3132



90.4286, 0.3429, 0.3522

Rectangle

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



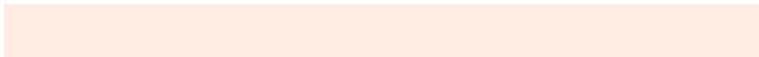
90.4286, 0.3003, 0.3456



90.4286, 0.2825, 0.3207



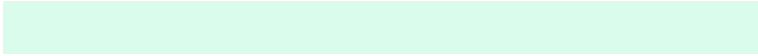
90.4286, 0.3248, 0.3132



90.4286, 0.3440, 0.3360

Sweetspot

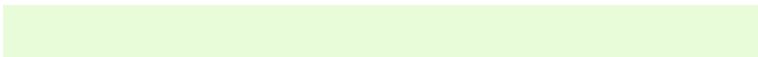
The Sweet Spot groups the original color and five complimentary colors.



90.4324, 0.3003, 0.3456



97.8190, 0.3091, 0.3335



92.0142, 0.3214, 0.3648



20.8521, 0.3084, 0.3344



0.0000, 0.0000, 0.0000



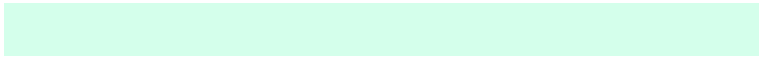
21.4041, 0.3127, 0.3290

Same Dimension

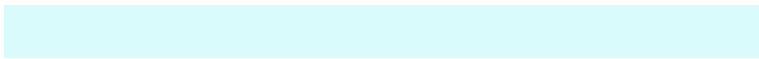
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.4324, 0.3003, 0.3456



91.4707, 0.2976, 0.3497



90.6762, 0.2915, 0.3277



19.4665, 0.3042, 0.3401



37.2296, 0.2685, 0.4867



3.4695, 0.2628, 0.4662

Inverse Universe

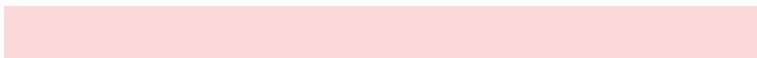
The Inverse Universe completely reimagines the original color for something new.



76.2368, 0.3271, 0.3130



73.9712, 0.3310, 0.3092



75.9650, 0.3383, 0.3303



17.3576, 0.3222, 0.3182



11.4604, 0.5139, 0.2605



1.0826, 0.4849, 0.2445

Previews

White Background



This preview shows how the Yxy color 90.4286, 0.3003, 0.3456 looks on a white background.

Color Contrast Check

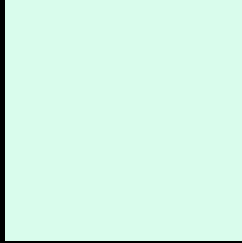
Large Text (above 18pt) WCAG AA × Fail

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 90.4286, 0.3003, 0.3456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

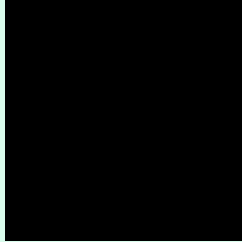
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

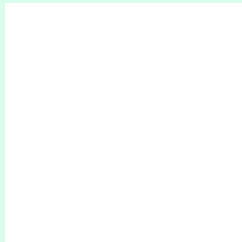
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.4286, 0.3003, 0.3456

Background



This preview shows how black text looks on a background with the Yxy color 90.4286, 0.3003, 0.3456.

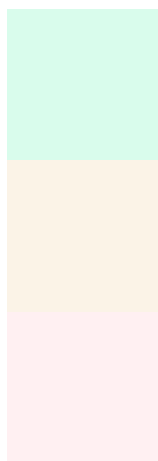


This preview shows how white text looks on a background with the Yxy color 90.4286, 0.3003, 0.3456.

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

90.4286, 0.3003, 0.3456

Protanopia

90.3799, 0.3253, 0.3409

Deuteranopia

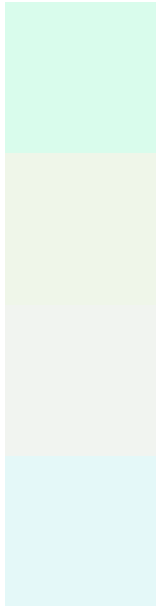
89.9910, 0.3214, 0.3271



Tritanopia

90.0172, 0.2999, 0.3190

Trichromacy



Original Color

90.4286, 0.3003, 0.3456

Protanomaly

90.1454, 0.3160, 0.3421

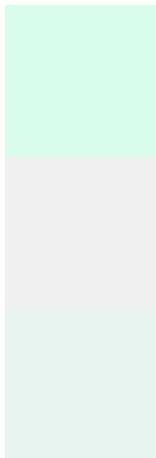
Deuteranomaly

89.6934, 0.3132, 0.3330

Tritanomaly

90.4061, 0.3002, 0.3290

Monochromacy



Original Color

90.4286, 0.3003, 0.3456

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

88.0892, 0.3080, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4286, 0.3003, 0.3456 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(217, 252, 236)` looks like.

```
.text, #text, p{  
    color:rgb(217, 252, 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(217, 252, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 252, 236) }
```

Border

The CSS property to change the border of an element to Yxy 90.4286, 0.3003, 0.3456 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(217, 252, 236) }
```

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

```
.border{ border-color:rgb(217, 252, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 252, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 252, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 252, 236);  
box-shadow:4px 4px 4px 4px rgb(217, 252,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 90.4286, 0.3003, 0.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 252, 236) }
```

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

```
.background{ background-color: rgb(217,  
252, 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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