

Converting Colors

$Yxy(66.9085, 0.2390, 0.3502)$

Have a look what the booklet for
Yxy(66.9085, 0.2390, 0.3502)
contains.

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Color

Yxy(67.0009, 0.2392, 0.3510)

Conversions

Conversions Part 1

Format	Color
Hex	45EDDC
RGB	69, 237, 220
RGB Percent	27%, 93%, 86%
CMY	0.7290, 0.0706, 0.1373
CMYK	0.71, 0.00, 0.07, 0.07
HSL	174°, 82%, 60%
HSV	174°, 71%, 93%
XYZ	45.6599, 67.0009, 78.2250
YIQ	184.8300, -94.6710, -40.9030

Conversions

Conversions Part 2

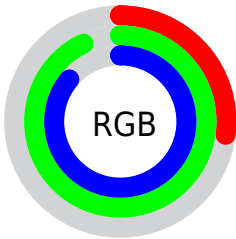
Format	Color
RYB	69, 157, 237
Decimal	4582876
CIELab	85.50, -45.93, -4.12
CIElCh	86, 46.110, 185.124
Yxy	67.0009, 0.2392, 0.3510
Android (android.graphics.Color)	4282772956 (0xFF45EDDC)
YUV	184.8300, 17.3388, -101.5829
Hunter-Lab	81.8541, -43.6737, 0.6365

Details

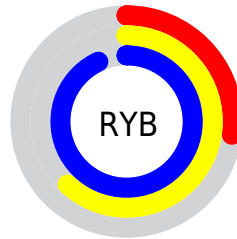
The Yxy color **67.0009, 0.2392, 0.3510** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **22.9469, 0.5314, 0.3147**, and the grayscale version is **48.3738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **35.3591, 0.2319, 0.3547** is the 20% darker color. If you saturate the color by 10%, you get **66.1752, 0.2356, 0.3545**, and if you desaturate by 10%, it is **68.1795, 0.2447, 0.3475**.

Distribution



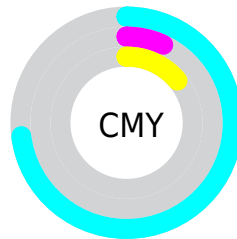
- Red (27%)
- Green (93%)
- Blue (86%)



- Red (27%)
- Yellow (62%)
- Blue (93%)



- Cyan (71%)
- Magenta (0%)
- Yellow (7%)
- Black (7%)




- Cyan (73%)
- Magenta (7%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.0009, 0.2392, 0.3510 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 67.0009, 0.2392, 0.3510 by changing the saturation by 10% instead.

 67.0009, 0.2392,
0.3510


 67.0009, 0.2392,
0.3510


449.9480, 0.2732,
0.3412

 49.0854, 0.2315,
0.3531

 114.9217, 0.2509,
0.3477


 34.6872, 0.2220,
0.3557


 145.6958, 0.2555,
0.3464

 23.4220, 0.2101,
0.3588

 181.5248, 0.2595,
0.3453

 14.9054, 0.1948,
0.3626

 222.7931, 0.2629,
0.3443

 8.7530, 0.1742,
0.3674

269.8852, 0.2659,
0.3434

 4.5805, 0.1457,
0.3734

323.1855, 0.2686,

 2.0033, 0.0976,

0.3426

0.3831

383.0783, 0.2710,
0.3419

0.6094, 0.0000,
0.3904

0.0000, 0.0000,
0.0000

67.0009, 0.2392,
0.3510

67.0009, 0.2392,
0.3510

66.1752, 0.2356,
0.3545

68.1795, 0.2447,
0.3475

65.6509, 0.2339,
0.3580

69.7402, 0.2522,
0.3440


65.3712, 0.2337,
0.3612


71.7175, 0.2614,
0.3407


74.1403, 0.2722,
0.3375

 77.0346, 0.2844,
0.3345

 80.4247, 0.2976,
0.3317

 84.3329, 0.3115,
0.3292

 88.0717, 0.3234,
0.3269

 88.2148, 0.3219,
0.3245

Harmonies

Analogous

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



67.0009, 0.2848, 0.4051



67.0009, 0.2392, 0.3510



67.0009, 0.2141, 0.2951

Triad

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



67.0009, 0.2392, 0.3510



67.0009, 0.2773, 0.2445



67.0009, 0.4225, 0.3903

Complementary

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



67.0009, 0.2392, 0.3510



22.9469, 0.5314, 0.3147

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.



67.0009, 0.4225, 0.3469



67.0009, 0.2392, 0.3510



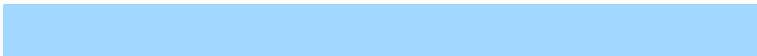
67.0009, 0.3340, 0.2672

Square

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



67.0009, 0.2392, 0.3510



67.0009, 0.2345, 0.2399



67.0009, 0.3890, 0.3034



67.0009, 0.3913, 0.4236

Rectangle

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



67.0009, 0.2392, 0.3510



67.0009, 0.2105, 0.2669



67.0009, 0.3890, 0.3034



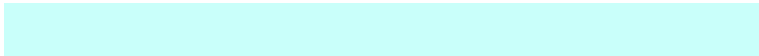
67.0009, 0.4263, 0.3763

Sweetspot

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



67.0035, 0.2392, 0.3510



90.8754, 0.2841, 0.3346



63.1074, 0.3096, 0.5511



19.2368, 0.2806, 0.3354



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.



67.0035, 0.2392, 0.3510



77.8221, 0.2347, 0.3561



37.1320, 0.2100, 0.2391



17.0940, 0.2995, 0.3314



35.7018, 0.2335, 0.3606



2.8111, 0.2322, 0.3558

Inverse Universe

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



22.9469, 0.5314, 0.3147



22.9908, 0.5919, 0.3182



35.3373, 0.4944, 0.3930



15.0788, 0.3277, 0.3266



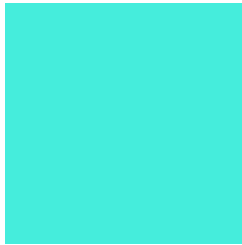
9.8746, 0.6281, 0.3234



0.7838, 0.6018, 0.3089

Previews

White Background



This preview shows how the Yxy color 67.0009, 0.2392, 0.3510 looks on a white background.

Color Contrast Check

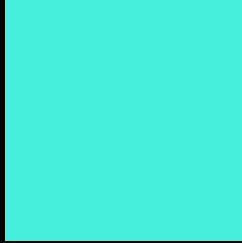
Large Text (above 18pt) WCAG AA × Fail

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 67.0009, 0.2392, 0.3510 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

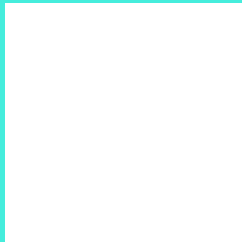
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.0009, 0.2392, 0.3510

Background



This preview shows how black text looks on a background with the Yxy color 67.0009, 0.2392, 0.3510.

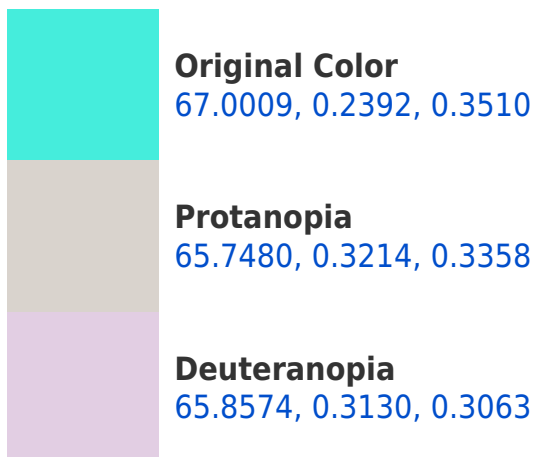


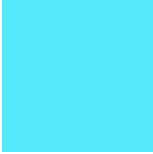
This preview shows how white text looks on a background with the Yxy color 67.0009, 0.2392, 0.3510.

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





Tritanopia

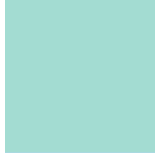
66.6567, 0.2296, 0.3054

Trichromacy



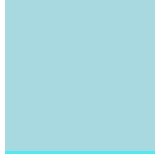
Original Color

67.0009, 0.2392, 0.3510



Protanomaly

63.6261, 0.2807, 0.3412



Deuteranomaly

63.4425, 0.2760, 0.3205



Tritanomaly

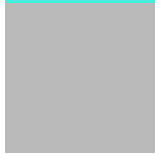
66.8424, 0.2329, 0.3212

Monochromacy



Original Color

67.0009, 0.2392, 0.3510



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

53.1026, 0.2735, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0009, 0.2392, 0.3510 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(69, 237, 220)` looks like.

```
.text, #text, p{  
    color:rgb(69, 237, 220)  
}
```

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(69, 237, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 237, 220) }
```

Border

The CSS property to change the border of an element to Yxy 67.0009, 0.2392, 0.3510 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(69, 237, 220) }
```

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

```
.border{ border-color:rgb(69, 237, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 237, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 237, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 237, 220);  
box-shadow:4px 4px 4px 4px rgb(69, 237,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0009, 0.2392, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 237, 220) }
```

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

```
.background{ background-color: rgb(69, 237,  
220) }
```

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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