

Converting Colors

$Yxy(67.4016, 0.2421, 0.3515)$

Have a look what the booklet for
Yxy(67.4016, 0.2421, 0.3515)
contains.

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Color

Yxy(67.4412, 0.2420, 0.3508)

Conversions

Conversions Part 1

Format	Color
Hex	50EDDC
RGB	80, 237, 220
RGB Percent	31%, 93%, 86%
CMY	0.6855, 0.0706, 0.1372
CMYK	0.66, 0.00, 0.07, 0.07
HSL	174°, 81%, 62%
HSV	174°, 66%, 93%
XYZ	46.5244, 67.4412, 78.2841
YIQ	188.1190, -88.1150, -38.5710

Conversions

Conversions Part 2

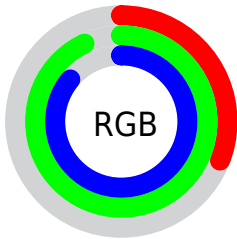
Format	Color
RYB	80, 163, 237
Decimal	5303772
CIELab	85.73, -44.43, -3.78
CIELCh	86, 44.586, 184.865
Yxy	67.4412, 0.2420, 0.3508
Android (android.graphics.Color)	4283493852 (0xFF50EDDC)
YUV	188.1190, 15.7173, -94.8204
Hunter-Lab	82.1226, -42.5900, 0.9671

Details

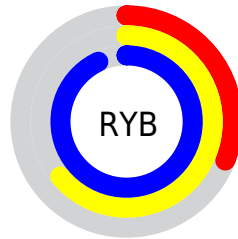
The Yxy color **67.4412, 0.2420, 0.3508** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **24.6362, 0.5085, 0.3134**, and the grayscale version is **50.3400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **35.3591, 0.2319, 0.3547** is the 20% darker color. If you saturate the color by 10%, you get **66.4499, 0.2376, 0.3546**, and if you desaturate by 10%, it is **68.8037, 0.2484, 0.3471**.

Distribution



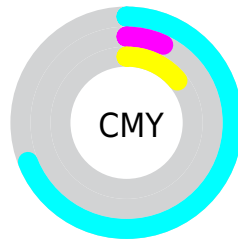
- Red (31%)
- Green (93%)
- Blue (86%)



- Red (31%)
- Yellow (64%)
- Blue (93%)



- Cyan (66%)
- Magenta (0%)
- Yellow (7%)
- Black (7%)




- Cyan (69%)
- Magenta (7%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.4412, 0.2420, 0.3508 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 67.4412, 0.2420, 0.3508 by changing the saturation by 10% instead.


 67.4412, 0.2420,
0.3508

 67.4412, 0.2420,
0.3508

451.5136, 0.2747,
0.3411

 49.4433, 0.2346,
0.3529

 115.5524, 0.2533,
0.3475

 34.9712, 0.2255,
0.3555

 146.4344, 0.2577,
0.3462

 23.6407, 0.2140,
0.3586


 182.3799, 0.2615,
0.3451

 15.0673, 0.1992,
0.3625

 223.7733, 0.2648,
0.3441

 8.8666, 0.1793,
0.3675

270.9990, 0.2677,
0.3432

 4.6543, 0.1517,
0.3738

324.4413, 0.2703,

 2.0459, 0.1068,

0.3424

384.4847, 0.2726,
0.3417

0.3832

0.6339, 0.0000,
0.3991

0.0000, 0.0000,
0.0000

67.4412, 0.2420,
0.3508

67.4412, 0.2420,
0.3508

66.4499, 0.2376,
0.3546

68.8037, 0.2484,
0.3471

65.7818, 0.2351,
0.3584

70.5639, 0.2566,
0.3434

65.3896, 0.2343,
0.3621


72.7549, 0.2666,
0.3399

65.2811, 0.2343,
0.3635


75.4040, 0.2780,
0.3366

 78.5365, 0.2906,
0.3335

 82.1756, 0.3041,
0.3306

 86.3431, 0.3182,
0.3280

 88.1447, 0.3226,
0.3256

 88.2988, 0.3209,
0.3231

Harmonies

Analogous

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



67.4412, 0.2864, 0.4025



67.4412, 0.2420, 0.3508



67.4412, 0.2173, 0.2969

Triad

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



67.4412, 0.2420, 0.3508



67.4412, 0.2782, 0.2470



67.4412, 0.4189, 0.3882

Complementary

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



67.4412, 0.2420, 0.3508



24.6362, 0.5085, 0.3134

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.



67.4412, 0.4185, 0.3462



67.4412, 0.2420, 0.3508



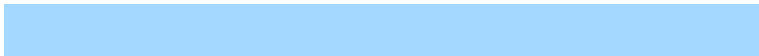
67.4412, 0.3329, 0.2689

Square

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



67.4412, 0.2420, 0.3508



67.4412, 0.2368, 0.2428



67.4412, 0.3860, 0.3040



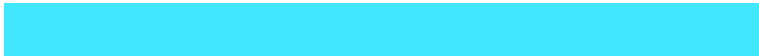
67.4412, 0.3892, 0.4203

Rectangle

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



67.4412, 0.2420, 0.3508



67.4412, 0.2137, 0.2694



67.4412, 0.3860, 0.3040



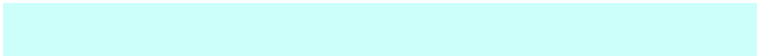
67.4412, 0.4225, 0.3748

Sweetspot

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



67.4438, 0.2420, 0.3508



91.2268, 0.2855, 0.3347



63.7679, 0.3105, 0.5377



19.3041, 0.2820, 0.3356



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.



67.4438, 0.2420, 0.3508



78.1860, 0.2366, 0.3558



39.2281, 0.2152, 0.2461



17.0921, 0.2996, 0.3315



35.6572, 0.2341, 0.3629



2.8080, 0.2327, 0.3577

Inverse Universe

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



24.6362, 0.5085, 0.3134



24.3696, 0.5668, 0.3152



37.4301, 0.4787, 0.3912



15.0806, 0.3276, 0.3265



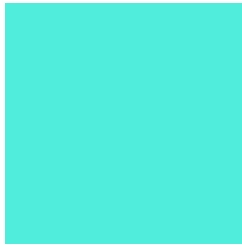
9.8789, 0.6270, 0.3228



0.7846, 0.5994, 0.3076

Previews

White Background



This preview shows how the Yxy color 67.4412, 0.2420, 0.3508 looks on a white background.

Color Contrast Check

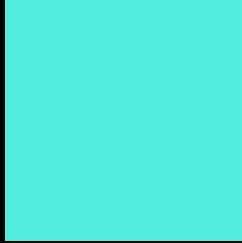
Large Text (above 18pt) WCAG AA × Fail

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 67.4412, 0.2420, 0.3508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

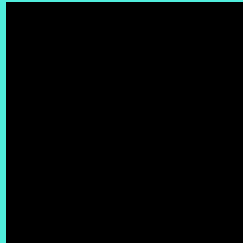
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

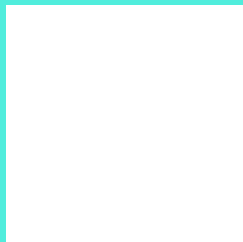
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.4412, 0.2420, 0.3508

Background



This preview shows how black text looks on a background with the Yxy color 67.4412, 0.2420, 0.3508.

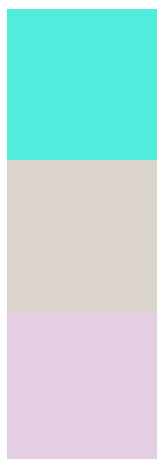


This preview shows how white text looks on a background with the Yxy color 67.4412, 0.2420, 0.3508.

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

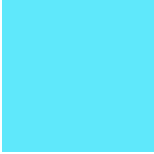
67.4412, 0.2420, 0.3508

Protanopia

66.4002, 0.3220, 0.3369

Deuteranopia

66.0196, 0.3138, 0.3064



Tritanopia

67.1112, 0.2322, 0.3056

Trichromacy



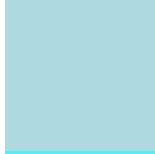
Original Color

67.4412, 0.2420, 0.3508



Protanomaly

64.6909, 0.2839, 0.3424



Deuteranomaly

64.0062, 0.2791, 0.3206



Tritanomaly

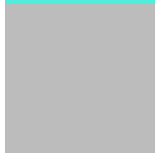
67.3106, 0.2356, 0.3213

Monochromacy



Original Color

67.4412, 0.2420, 0.3508



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

54.7023, 0.2764, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.4412, 0.2420, 0.3508 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(80, 237, 220)` looks like.

```
.text, #text, p{  
    color:rgb(80, 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(80, 237, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 237, 220) }
```

Border

The CSS property to change the border of an element to Yxy 67.4412, 0.2420, 0.3508 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(80, 237, 220) }
```

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

```
.border{ border-color:rgb(80, 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(80, 237, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 237, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 237, 220);  
box-shadow:4px 4px 4px 4px rgb(80, 237,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 67.4412, 0.2420, 0.3508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 237, 220) }
```

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

```
.background{ background-color: rgb(80, 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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