

Converting Colors

$Yxy(68.1466, 0.2525, 0.3611)$

Have a look what the booklet for
Yxy(68.1466, 0.2525, 0.3611)
contains.

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Color

Yxy(68.1466, 0.2525, 0.3611)

Conversions

Conversions Part 1

Format	Color
Hex	66EDD4
RGB	102, 237, 212
RGB Percent	40%, 93%, 83%
CMY	0.5997, 0.0706, 0.1687
CMYK	0.57, 0.00, 0.11, 0.07
HSL	169°, 79%, 66%
HSV	169°, 57%, 93%
XYZ	47.6517, 68.1466, 72.9212
YIQ	193.7850, -72.4350, -36.3950

Conversions

Conversions Part 2

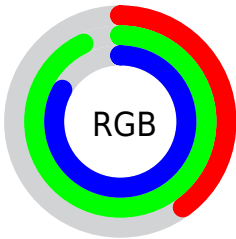
Format	Color
RYB	102, 176, 237
Decimal	6745556
CIELab	86.08, -42.79, 1.02
CIELCh	86, 42.804, 178.639
Yxy	68.1466, 0.2525, 0.3611
Android (android.graphics.Color)	4284935636 (0xFF66EDD4)
YUV	193.7850, 8.9800, -80.4954
Hunter-Lab	82.5510, -41.4269, 5.4120

Details

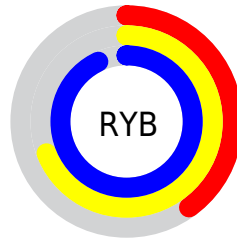
The Yxy color **68.1466, 0.2525, 0.3611** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **29.0555, 0.4533, 0.3027**, and the grayscale version is **53.8045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **35.2474, 0.2381, 0.3691** is the 20% darker color. If you saturate the color by 10%, you get **66.7371, 0.2468, 0.3678**, and if you desaturate by 10%, it is **69.9633, 0.2600, 0.3546**.

Distribution



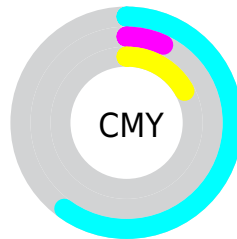
- Red (40%)
- Green (93%)
- Blue (83%)



- Red (40%)
- Yellow (69%)
- Blue (93%)



- Cyan (57%)
- Magenta (0%)
- Yellow (11%)
- Black (7%)




- Cyan (60%)
- Magenta (7%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.1466, 0.2525, 0.3611 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 68.1466, 0.2525, 0.3611 by changing the saturation by 10% instead.


 68.1466, 0.2525,
0.3611


 68.1466, 0.2525,
0.3611


454.0153, 0.2805,
0.3461

 50.0170, 0.2461,
0.3646


 116.5618, 0.2622,
0.3559

 35.4269, 0.2381,
0.3688


 147.6163, 0.2660,
0.3538

 23.9919, 0.2281,
0.3743


 183.7478, 0.2693,
0.3521

 15.3276, 0.2149,
0.3814

225.3408, 0.2721,
0.3506

 9.0496, 0.1971,
0.3912

272.7796, 0.2746,
0.3492

 4.7736, 0.1718,
0.4052


326.4487, 0.2768,

 2.1150, 0.1310,

0.3481

0.4281


386.7325, 0.2788,
0.3470


 0.6731, 0.0000,
0.5042

 0.0000, 0.0000,
0.0000

 68.1466, 0.2525,
0.3611


 68.1466, 0.2525,
0.3611


 66.7371, 0.2468,
0.3678


 69.9633, 0.2600,
0.3546


 65.6919, 0.2431,
0.3745


 72.2098, 0.2692,
0.3484


 64.9730, 0.2414,
0.3813


 74.9165, 0.2797,
0.3426


 64.5282, 0.2415,
0.3880


 78.1088, 0.2914,
0.3372


 64.4208, 0.2417,
0.3900

 81.8101, 0.3038,
0.3322

 86.0423, 0.3167,
0.3277

 88.2827, 0.3212,
0.3234

 88.5509, 0.3184,
0.3192

 88.8255, 0.3157,
0.3150

Harmonies

Analogous

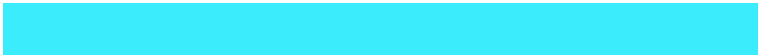
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.1466, 0.2981, 0.4068



68.1466, 0.2525, 0.3611



68.1466, 0.2242, 0.3084

Triad

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



68.1466, 0.2525, 0.3611



68.1466, 0.2701, 0.2478



68.1466, 0.4169, 0.3782

Complementary

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



68.1466, 0.2525, 0.3611



29.0555, 0.4533, 0.3027

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.



68.1466, 0.4097, 0.3372



68.1466, 0.2525, 0.3611



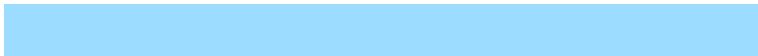
68.1466, 0.3208, 0.2656

Square

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



68.1466, 0.2525, 0.3611



68.1466, 0.2339, 0.2478



68.1466, 0.3733, 0.2973



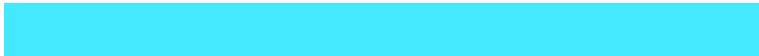
68.1466, 0.3940, 0.4117

Rectangle

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



68.1466, 0.2525, 0.3611



68.1466, 0.2176, 0.2794



68.1466, 0.3733, 0.2973



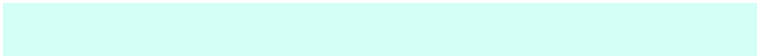
68.1466, 0.4181, 0.3649

Sweetspot

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



68.1493, 0.2525, 0.3611



92.1783, 0.2912, 0.3372



66.1997, 0.3184, 0.5049



19.5574, 0.2888, 0.3383



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.



68.1493, 0.2525, 0.3611



78.6161, 0.2462, 0.3687



48.6583, 0.2300, 0.2754



17.0712, 0.3006, 0.3334



35.1901, 0.2414, 0.3889



2.7757, 0.2388, 0.3796

Inverse Universe

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



29.0555, 0.4533, 0.3027



28.4434, 0.4998, 0.3009



38.4749, 0.4567, 0.3732



15.0997, 0.3264, 0.3247



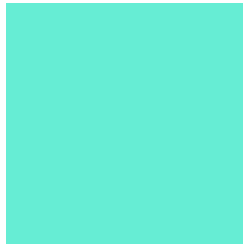
9.9428, 0.6109, 0.3139



0.7936, 0.5743, 0.2937

Previews

White Background



This preview shows how the Yxy color 68.1466, 0.2525, 0.3611 looks on a white background.

Color Contrast Check

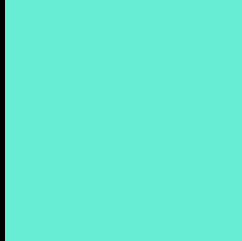
Large Text (above 18pt) WCAG AA × Fail

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 68.1466, 0.2525, 0.3611 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

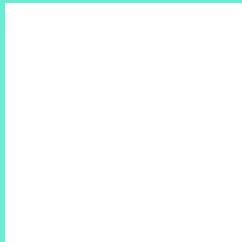
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.1466, 0.2525, 0.3611

Background



This preview shows how black text looks on a background with the Yxy color 68.1466, 0.2525, 0.3611.

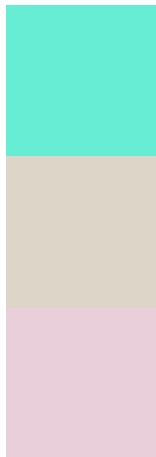


This preview shows how white text looks on a background with the Yxy color 68.1466, 0.2525, 0.3611.

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

68.1466, 0.2525, 0.3611

Protanopia

67.0842, 0.3284, 0.3447

Deuteranopia

66.8434, 0.3239, 0.3172



Tritanopia

67.7670, 0.2394, 0.3059

Trichromacy



Original Color

68.1466, 0.2525, 0.3611



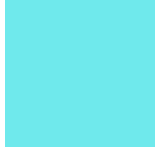
Protanomaly

66.0672, 0.2939, 0.3507



Deuteranomaly

65.4150, 0.2911, 0.3313



Tritanomaly

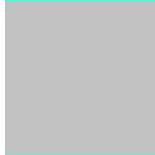
67.7135, 0.2441, 0.3251

Monochromacy



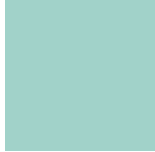
Original Color

68.1466, 0.2525, 0.3611



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

57.8873, 0.2839, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1466, 0.2525, 0.3611 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(102, 237, 212)` looks like.

```
.text, #text, p{  
    color:rgb(102, 237, 212)  
}
```

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(102, 237, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 237, 212) }
```

Border

The CSS property to change the border of an element to Yxy 68.1466, 0.2525, 0.3611 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(102, 237, 212) }
```

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

```
.border{ border-color:rgb(102, 237, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 237, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 237, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 237, 212);  
box-shadow:4px 4px 4px 4px rgb(102, 237,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1466, 0.2525, 0.3611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 237, 212) }
```

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

```
.background{ background-color: rgb(102,  
237, 212) }
```

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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