

Converting Colors

$Yxy(66.8286, 0.2590, 0.3935)$

Have a look what the booklet for
Yxy(66.8286, 0.2590, 0.3935)
contains.

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Color

Yxy(67.0909, 0.2590, 0.3932)

Conversions

Conversions Part 1

Format	Color
Hex	5BEEBE
RGB	91, 238, 190
RGB Percent	36%, 93%, 75%
CMY	0.6427, 0.0667, 0.2548
CMYK	0.62, 0.00, 0.20, 0.07
HSL	160°, 81%, 65%
HSV	160°, 62%, 93%
XYZ	44.1926, 67.0909, 59.3444
YIQ	188.5750, -72.2040, -46.0920

Conversions

Conversions Part 2

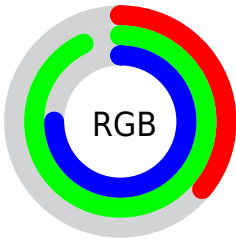
Format	Color
RYB	91, 179, 238
Decimal	6024894
CIELab	85.55, -50.36, 11.72
CIELCh	86, 51.707, 166.903
Yxy	67.0909, 0.2590, 0.3932
Android (android.graphics.Color)	4284214974 (0xFF5BEEBE)
YUV	188.5750, 0.7025, -85.5733
Hunter-Lab	81.9090, -47.0342, 14.3798

Details

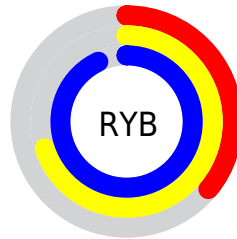
The Yxy color **67.0909, 0.2590, 0.3932** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **27.5447, 0.4425, 0.2791**, and the grayscale version is **50.6794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0438, 0.2619, 0.3389**, and **34.8539, 0.2470, 0.4092** is the 20% darker color. If you saturate the color by 10%, you get **65.7370, 0.2554, 0.4058**, and if you desaturate by 10%, it is **68.8517, 0.2645, 0.3810**.

Distribution



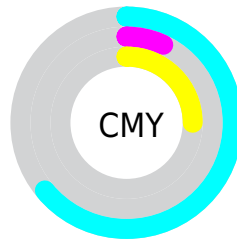
- Red (36%)
- Green (93%)
- Blue (75%)



- Red (36%)
- Yellow (70%)
- Blue (93%)



- Cyan (62%)
- Magenta (0%)
- Yellow (20%)
- Black (7%)




- Cyan (64%)
- Magenta (7%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.0909, 0.2590, 0.3932 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 67.0909, 0.2590, 0.3932 by changing the saturation by 10% instead.

 67.0909, 0.2590,
0.3932


 67.0909, 0.2590,
0.3932


450.2683, 0.2847,
0.3618


 49.1585, 0.2529,
0.4008


 115.0507, 0.2681,
0.3820


 34.7452, 0.2453,
0.4104


 145.8468, 0.2716,
0.3777

 23.4667, 0.2355,
0.4230


 181.6996, 0.2746,
0.3741

 14.9385, 0.2225,
0.4401

 222.9936, 0.2771,
0.3709

 8.7762, 0.2043,
0.4647

270.1130, 0.2794,
0.3682

 4.5955, 0.1774,
0.5025

323.4424, 0.2814,

 2.0119, 0.1170,

0.3658

0.5787

383.3660, 0.2831,
0.3637

0.6144, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.0909, 0.2590,
0.3932

67.0909, 0.2590,
0.3932

65.7370, 0.2554,
0.4058

68.8517, 0.2645,
0.3810

64.7442, 0.2538,
0.4184


71.0446, 0.2717,
0.3693


64.0696, 0.2543,
0.4310


73.7017, 0.2802,
0.3583


63.6921, 0.2559,
0.4412


76.8499, 0.2897,
0.3481

 80.5140, 0.3001,
0.3388

 84.7171, 0.3108,
0.3304

 88.9631, 0.3200,
0.3228

 89.4465, 0.3152,
0.3153

 89.6251, 0.3135,
0.3127

Harmonies

Analogous

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



67.0909, 0.3182, 0.4388



67.0909, 0.2590, 0.3932



67.0909, 0.2169, 0.3271

Triad

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



67.0909, 0.2590, 0.3932



67.0909, 0.2419, 0.2299



67.0909, 0.4402, 0.3670

Complementary

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



67.0909, 0.2590, 0.3932



27.5447, 0.4425, 0.2791

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.



67.0909, 0.4171, 0.3182



67.0909, 0.2590, 0.3932



67.0909, 0.2965, 0.2434

Square

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



67.0909, 0.2590, 0.3932



67.0909, 0.2086, 0.2381



67.0909, 0.3620, 0.2747



67.0909, 0.4247, 0.4128

Rectangle

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



67.0909, 0.2590, 0.3932



67.0909, 0.2027, 0.2871



67.0909, 0.3620, 0.2747



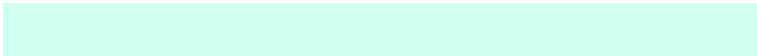
67.0909, 0.4369, 0.3506

Sweetspot

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



67.0936, 0.2590, 0.3932



90.9630, 0.2924, 0.3456



67.4844, 0.3294, 0.5134



19.2208, 0.2895, 0.3483



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.



67.0936, 0.2590, 0.3932



76.5552, 0.2548, 0.4090



56.2500, 0.2307, 0.2970



17.8360, 0.3024, 0.3368



35.5609, 0.2554, 0.4393



2.9765, 0.2508, 0.4229

Inverse Universe

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



27.5447, 0.4425, 0.2791



26.7484, 0.4859, 0.2760



31.3310, 0.4906, 0.3546



15.8440, 0.3242, 0.3213



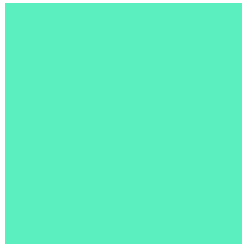
10.4670, 0.5665, 0.2894



0.8884, 0.5294, 0.2690

Previews

White Background



This preview shows how the Yxy color 67.0909, 0.2590, 0.3932 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 67.0909, 0.2590, 0.3932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

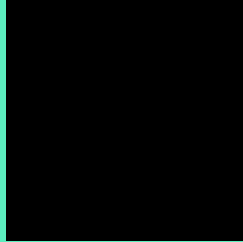
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.0909, 0.2590, 0.3932

Background



This preview shows how black text looks on a background with the Yxy color 67.0909, 0.2590, 0.3932.

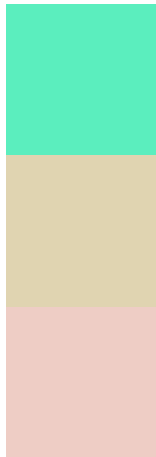


This preview shows how white text looks on a background with the Yxy color 67.0909, 0.2590, 0.3932.

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

67.0909, 0.2590, 0.3932

Protanopia

66.1086, 0.3468, 0.3685

Deuteranopia

65.8710, 0.3444, 0.3377



Tritanopia

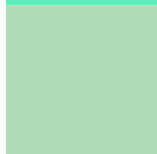
66.9439, 0.2384, 0.3058

Trichromacy



Original Color

67.0909, 0.2590, 0.3932



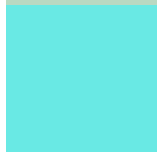
Protanomaly

64.3204, 0.3063, 0.3774



Deuteranomaly

63.8350, 0.3050, 0.3569



Tritanomaly

66.8825, 0.2454, 0.3351

Monochromacy



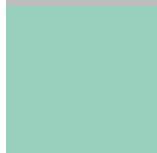
Original Color

67.0909, 0.2590, 0.3932



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

55.0721, 0.2859, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0909, 0.2590, 0.3932 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(91, 238, 190)` looks like.

```
.text, #text, p{  
    color:rgb(91, 238, 190)  
}
```

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(91, 238, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 238, 190) }
```

Border

The CSS property to change the border of an element to Yxy 67.0909, 0.2590, 0.3932 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(91, 238, 190) }
```

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

```
.border{ border-color:rgb(91, 238, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 238, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 238, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 238, 190);  
box-shadow:4px 4px 4px 4px rgb(91, 238,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0909, 0.2590, 0.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 238, 190) }
```

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

```
.background{ background-color: rgb(91, 238,  
190) }
```

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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