

Converting Colors

Yxy(58.6582, 0.3191, 0.5217)

Have a look what the booklet for
Yxy(58.6582, 0.3191, 0.5217)
contains.

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Color

Yxy(58.6776, 0.3192, 0.5222)

Conversions

Conversions Part 1

Format	Color
Hex	73E254
RGB	115, 226, 84
RGB Percent	45%, 89%, 33%
CMY	0.5490, 0.1137, 0.6706
CMYK	0.49, 0.00, 0.63, 0.11
HSL	107°, 71%, 61%
HSV	107°, 63%, 89%
XYZ	35.8673, 58.6776, 17.8213
YIQ	176.6230, -20.5740, -67.6940

Conversions

Conversions Part 2

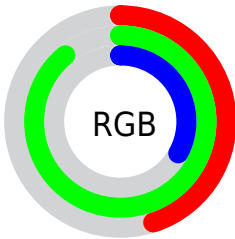
Format	Color
RYB	84, 226, 195
Decimal	7594580
CIELab	81.11, -57.28, 58.04
CIELCh	81, 81.541, 134.622
Yxy	58.6776, 0.3192, 0.5222
Android (android.graphics.Color)	4285784660 (0xFF73E254)
YUV	176.6230, -45.6631, -54.0434
Hunter-Lab	76.6013, -50.4727, 39.8271

Details

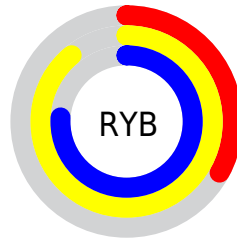
The Yxy color **58.6776, 0.3192, 0.5222** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **23.4322, 0.2871, 0.1707**, and the grayscale version is **44.0121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3828, 0.3260, 0.4640**, and **29.5192, 0.3110, 0.5771** is the 20% darker color. If you saturate the color by 10%, you get **57.2962, 0.3172, 0.5504**, and if you desaturate by 10%, it is **60.4077, 0.3201, 0.4902**.

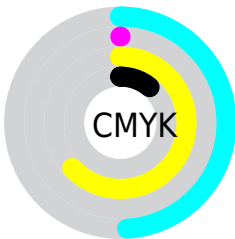
Distribution



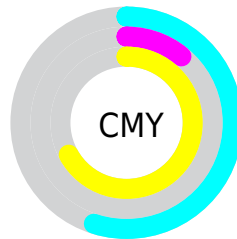
- Red (45%)
- Green (89%)
- Blue (33%)



- Red (33%)
- Yellow (89%)
- Blue (76%)



- Cyan (49%)
- Magenta (0%)
- Yellow (63%)
- Black (11%)




- Cyan (55%)
- Magenta (11%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.6776, 0.3192, 0.5222 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 58.6776, 0.3192, 0.5222 by changing the saturation by 10% instead.

 58.6776, 0.3192,
0.5222


 58.6776, 0.3192,
0.5222

419.7061, 0.3225,
0.4233


 42.3536, 0.3161,
0.5464


 102.9089, 0.3221,
0.4863


 29.3783, 0.3108,
0.5768


 131.5851, 0.3227,
0.4728

 19.3672, 0.3017,
0.6153


 165.1475, 0.3229,
0.4613

 11.9359, 0.2854,
0.6646


 203.9805, 0.3230,
0.4515

 6.7000, 0.2602,
0.7398

248.4684, 0.3230,
0.4430

 3.2752, 0.2009,
0.7991

298.9957, 0.3229,

 1.2771, 0.0000,

0.4356

1.0000

355.9468, 0.3227,
0.4291

■ 0.1233, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.6776, 0.3192,
0.5222

■ 58.6776, 0.3192,
0.5222

■ 57.2962, 0.3172,
0.5504

■ 60.4077, 0.3201,
0.4902

■ 56.2313, 0.3141,
0.5726


■ 62.5010, 0.3200,
0.4565

■ 55.4573, 0.3102,
0.5875

■ 64.9801, 0.3191,
0.4232

■ 55.0565, 0.3074,
0.5942

■ 67.8637, 0.3175,
0.3915

 71.1690, 0.3156,
0.3623

 74.9124, 0.3134,
0.3359

 79.1093, 0.3111,
0.3125

 82.8747, 0.3140,
0.3009

Harmonies

Analogous

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



58.6776, 0.4131, 0.5056



58.6776, 0.3192, 0.5222



58.6776, 0.2285, 0.4488

Triad

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



58.6776, 0.3192, 0.5222



58.6776, 0.1539, 0.1899



58.6776, 0.4791, 0.3003

Complementary

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



58.6776, 0.3192, 0.5222



23.4322, 0.2871, 0.1707

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.



58.6776, 0.3829, 0.2404



58.6776, 0.3192, 0.5222



58.6776, 0.1973, 0.1797

Square

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



58.6776, 0.3192, 0.5222



58.6776, 0.1433, 0.2359



58.6776, 0.2762, 0.1978



58.6776, 0.5172, 0.3686

Rectangle

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



58.6776, 0.3192, 0.5222



58.6776, 0.1829, 0.3677



58.6776, 0.2762, 0.1978



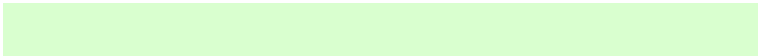
58.6776, 0.4516, 0.2790

Sweetspot

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



58.6801, 0.3192, 0.5222



90.7747, 0.3168, 0.3803



54.8912, 0.4223, 0.4458



19.1712, 0.3174, 0.3890



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.



58.6801, 0.3192, 0.5222



74.9219, 0.3164, 0.5570



57.6811, 0.2870, 0.4818



15.4808, 0.3148, 0.3530



31.4512, 0.3082, 0.5935



2.2192, 0.3186, 0.5853

Inverse Universe

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



23.4322, 0.2871, 0.1707



25.0399, 0.2797, 0.1478



26.1460, 0.3630, 0.2176



13.7768, 0.3103, 0.3057



8.4955, 0.2664, 0.1241



0.6267, 0.2752, 0.1290

Previews

White Background



This preview shows how the Yxy color 58.6776, 0.3192, 0.5222 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 58.6776, 0.3192, 0.5222 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 58.6776, 0.3192, 0.5222

Background



This preview shows how black text looks on a background with the Yxy color 58.6776, 0.3192, 0.5222.



This preview shows how white text looks on a background with the Yxy color 58.6776, 0.3192, 0.5222.

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

58.6776, 0.3192, 0.5222

Protanopia

57.5324, 0.4183, 0.4591

Deuteranopia

57.4273, 0.4356, 0.4252



Tritanopia

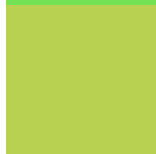
58.4949, 0.2568, 0.3076

Trichromacy



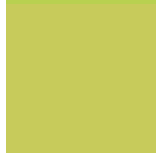
Original Color

58.6776, 0.3192, 0.5222



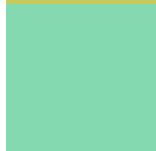
Protanomaly

56.3705, 0.3777, 0.4837



Deuteranomaly

55.6093, 0.3881, 0.4612



Tritanomaly

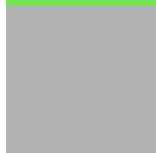
57.6658, 0.2815, 0.3849

Monochromacy



Original Color

58.6776, 0.3192, 0.5222



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

47.8834, 0.3179, 0.4027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6776, 0.3192, 0.5222 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(115, 226, 84)` looks like.

```
.text, #text, p{  
    color:rgb(115, 226, 84)  
}
```

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(115, 226, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 226, 84) }
```

Border

The CSS property to change the border of an element to Yxy 58.6776, 0.3192, 0.5222 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(115, 226, 84) }
```

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

```
.border{ border-color:rgb(115, 226, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 226, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 226, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 226, 84);  
box-shadow:4px 4px 4px 4px rgb(115, 226,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6776, 0.3192, 0.5222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 226, 84) }
```

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

```
.background{ background-color: rgb(115,  
226, 84) }
```

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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