

Converting Colors

$Y_{xy}(33.0256, 0.3198, 0.5792)$

Have a look what the booklet for
Yxy(33.0256, 0.3198, 0.5792)
contains.

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Color

Yxy(33.0256, 0.3198, 0.5792)

Conversions

Conversions Part 1

Format	Color
Hex	42B20C
RGB	66, 178, 12
RGB Percent	26%, 70%, 5%
CMY	0.7411, 0.3020, 0.9532
CMYK	0.63, 0.00, 0.93, 0.30
HSL	100°, 87%, 37%
HSV	100°, 93%, 70%
XYZ	18.2348, 33.0256, 5.7590
YIQ	125.5880, -13.4660, -75.3700

Conversions

Conversions Part 2

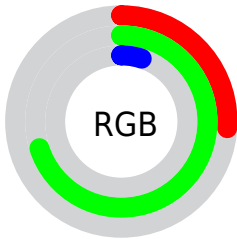
Format	Color
RYB	12, 178, 124
Decimal	4370956
CIELab	64.18, -57.24, 63.17
CIELCh	64, 85.243, 132.178
Yxy	33.0256, 0.3198, 0.5792
Android (android.graphics.Color)	4282561036 (0xFF42B20C)
YUV	125.5880, -55.9989, -52.2587
Hunter-Lab	57.4679, -43.9301, 34.2860

Details

The Yxy color **33.0256, 0.3198, 0.5792** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **7.7543, 0.2459, 0.1158**, and the grayscale version is **20.9152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5850, 0.3268, 0.5268**, and **14.4153, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.7402, 0.3166, 0.5868**, and if you desaturate by 10%, it is **33.5548, 0.3242, 0.5637**.

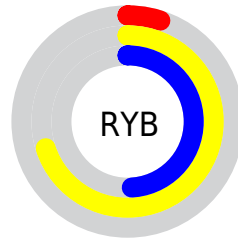
Distribution



Red (26%)

Green (70%)

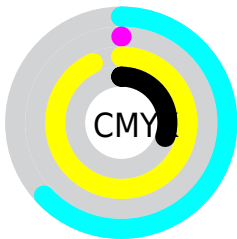
Blue (5%)



Red (5%)

Yellow (70%)

Blue (49%)

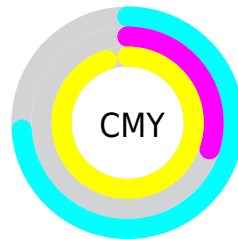


Cyan (63%)

Magenta (0%)

Yellow (93%)

Black (30%)



Cyan (74%)


Magenta (30%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0256, 0.3198, 0.5792 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 33.0256, 0.3198, 0.5792 by changing the saturation by 10% instead.


 33.0256, 0.3198,
0.5792


 33.0256, 0.3198,
0.5792


315.7651, 0.3280,
0.4403

 22.1461, 0.3117,
0.6152


 64.4155, 0.3268,
0.5268

 13.9643, 0.2970,
0.6600


 85.6946, 0.3282,
0.5075


 8.0958, 0.2743,
0.7257


 111.2091, 0.3288,
0.4915

 4.1563, 0.2220,
0.7780

 141.3433, 0.3290,
0.4780

 1.7614, 0.0512,
0.9488

 176.4816, 0.3289,
0.4664

 0.4629, 0.0000,
1.0000

 217.0084, 0.3287,

 0.0000, 0.0000,

0.4565

0.0000

263.3081, 0.3284,
0.4479

■ 33.0256, 0.3198,
0.5792

■ 33.0256, 0.3198,
0.5792

■ 32.7402, 0.3166,
0.5868

■ 33.5548, 0.3242,
0.5637

■ 34.2263, 0.3272,
0.5419

■ 35.0539, 0.3286,
0.5150

■ 36.0481, 0.3286,
0.4848

■ 37.2185, 0.3271,
0.4530

■ 38.5740, 0.3247,
0.4214

■ 40.1227, 0.3215,
0.3910

■ 41.8722, 0.3179,
0.3627

■ 43.8298, 0.3140,
0.3369

Harmonies

Analogous

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



33.0256, 0.4312, 0.5325



33.0256, 0.3198, 0.5792



33.0256, 0.2122, 0.4982

Triad

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



33.0256, 0.3198, 0.5792



33.0256, 0.1231, 0.1638



33.0256, 0.5142, 0.2830

Complementary

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



33.0256, 0.3198, 0.5792



7.7543, 0.2459, 0.1158

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.



33.0256, 0.3875, 0.2165



33.0256, 0.3198, 0.5792



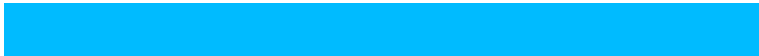
33.0256, 0.1679, 0.1518

Square

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



33.0256, 0.3198, 0.5792



33.0256, 0.1128, 0.2175



33.0256, 0.2563, 0.1703



33.0256, 0.5633, 0.3582

Rectangle

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



33.0256, 0.3198, 0.5792



33.0256, 0.1580, 0.3885



33.0256, 0.2563, 0.1703



33.0256, 0.4775, 0.2594

Sweetspot

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



33.0270, 0.3198, 0.5792



71.2561, 0.3232, 0.4065



23.5702, 0.4842, 0.4482



15.5286, 0.3245, 0.4197



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.0270, 0.3198, 0.5792



59.2610, 0.3155, 0.5877



32.0696, 0.2947, 0.5746



9.6200, 0.3163, 0.3522



23.4564, 0.3174, 0.5862



0.7704, 0.3407, 0.5677

Inverse Universe

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



7.7543, 0.2459, 0.1158



12.9434, 0.2390, 0.1090



11.9391, 0.3640, 0.1809



8.5053, 0.3087, 0.3062



5.1931, 0.2413, 0.1103



0.1933, 0.2643, 0.1229

Previews

White Background



This preview shows how the Yxy color 33.0256, 0.3198, 0.5792 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 33.0256, 0.3198, 0.5792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

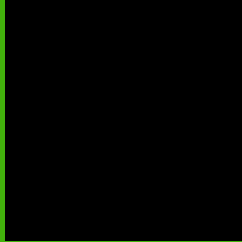
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0256, 0.3198, 0.5792

Background



This preview shows how black text looks on a background with the Yxy color 33.0256, 0.3198, 0.5792.



This preview shows how white text looks on a background with the Yxy color 33.0256, 0.3198, 0.5792.

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

33.0256, 0.3198, 0.5792

Protanopia

32.4414, 0.4398, 0.4890

Deuteranopia

32.4833, 0.4591, 0.4513



Tritanopia

32.7063, 0.2484, 0.3063

Trichromacy



Original Color

33.0256, 0.3198, 0.5792



Protanomaly

31.3540, 0.3890, 0.5277



Deuteranomaly

30.7455, 0.4011, 0.5037



Tritanomaly

32.0359, 0.2837, 0.4231

Monochromacy



Original Color

33.0256, 0.3198, 0.5792



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.8497, 0.3260, 0.4450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0256, 0.3198, 0.5792 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(66, 178, 12)` looks like.

```
.text, #text, p{  
    color:rgb(66, 178, 12)  
}
```

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(66, 178, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 178, 12) }
```

Border

The CSS property to change the border of an element to Yxy 33.0256, 0.3198, 0.5792 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(66, 178, 12) }
```

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

```
.border{ border-color:rgb(66, 178, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 178, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 178, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 178, 12);  
box-shadow:4px 4px 4px 4px rgb(66, 178,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0256, 0.3198, 0.5792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 178, 12) }
```

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

```
.background{ background-color: rgb(66, 178,  
12) }
```

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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