

Converting Colors

$Y_{xy}(32.5986, 0.3193, 0.5789)$

Have a look what the booklet for
Yxy(32.5986, 0.3193, 0.5789)
contains.

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Color

Yxy(32.5972, 0.3193, 0.5790)

Conversions

Conversions Part 1

Format	Color
Hex	41B10D
RGB	65, 177, 13
RGB Percent	25%, 69%, 5%
CMY	0.7450, 0.3059, 0.9489
CMYK	0.63, 0.00, 0.93, 0.31
HSL	101°, 86%, 37%
HSV	101°, 93%, 69%
XYZ	17.9763, 32.5972, 5.7256
YIQ	124.8160, -14.1080, -74.7480

Conversions

Conversions Part 2

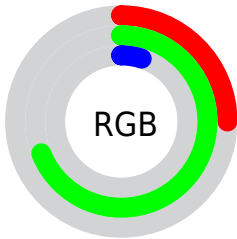
Format	Color
RYB	13, 177, 125
Decimal	4305165
CIELab	63.83, -57.10, 62.71
CIELCh	64, 84.817, 132.319
Yxy	32.5972, 0.3193, 0.5790
Android (android.graphics.Color)	4282495245 (0xFF41B10D)
YUV	124.8160, -55.1253, -52.4586
Hunter-Lab	57.0940, -43.7128, 34.0199

Details

The Yxy color **32.5972, 0.3193, 0.5790** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **7.8227, 0.2483, 0.1175**, and the grayscale version is **20.6400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9369, 0.3264, 0.5267**, and **14.1659, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.2892, 0.3158, 0.5874**, and if you desaturate by 10%, it is **33.1247, 0.3236, 0.5631**.

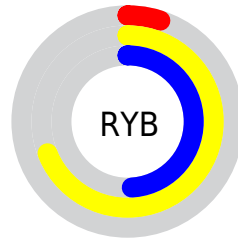
Distribution



Red (25%)

Green (69%)

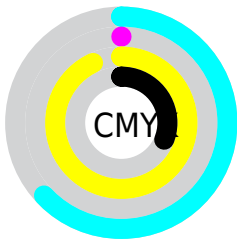
Blue (5%)



Red (5%)

Yellow (69%)

Blue (49%)

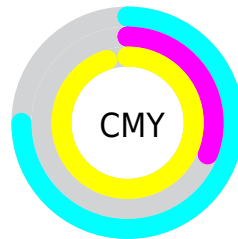


Cyan (63%)

Magenta (0%)

Yellow (93%)

Black (31%)



Cyan (75%)


Magenta (31%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5972, 0.3193, 0.5790 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 32.5972, 0.3193, 0.5790 by changing the saturation by 10% instead.


 32.5972, 0.3193,
0.5790


 32.5972, 0.3193,
0.5790


313.8308, 0.3277,
0.4399


 21.8181, 0.3111,
0.6152


 63.7461, 0.3264,
0.5264


 13.7233, 0.2963,
0.6605


 84.8847, 0.3277,
0.5071

 7.9284, 0.2733,
0.7267


 110.2453, 0.3284,
0.4910

 4.0492, 0.2203,
0.7797

 140.2121, 0.3286,
0.4775

 1.7011, 0.0349,
0.9651

 175.1697, 0.3286,
0.4660

 0.4244, 0.0000,
1.0000

 215.5024, 0.3283,

 0.0000, 0.0000,

0.4560

0.0000

261.5946, 0.3280,
0.4474

■ 32.5972, 0.3193,
0.5790

■ 32.5972, 0.3193,
0.5790

■ 32.2892, 0.3158,
0.5874

■ 33.1247, 0.3236,
0.5631

■ 33.7955, 0.3265,
0.5408

■ 34.6229, 0.3279,
0.5135

■ 35.6177, 0.3278,
0.4830

■ 36.7895, 0.3264,
0.4511

■ 38.1469, 0.3240,
0.4194

■ 39.6983, 0.3210,
0.3891

■ 41.4511, 0.3174,
0.3610

■ 43.4126, 0.3137,
0.3353

Harmonies

Analogous

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



32.5972, 0.4306, 0.5328



32.5972, 0.3193, 0.5790



32.5972, 0.2118, 0.4974

Triad

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



32.5972, 0.3193, 0.5790



32.5972, 0.1233, 0.1638



32.5972, 0.5145, 0.2834

Complementary

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



32.5972, 0.3193, 0.5790



7.8227, 0.2483, 0.1175

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.



32.5972, 0.3881, 0.2169



32.5972, 0.3193, 0.5790



32.5972, 0.1683, 0.1519

Square

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



32.5972, 0.3193, 0.5790



32.5972, 0.1129, 0.2172



32.5972, 0.2569, 0.1705



32.5972, 0.5632, 0.3586

Rectangle

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



32.5972, 0.3193, 0.5790



32.5972, 0.1578, 0.3877



32.5972, 0.2569, 0.1705



32.5972, 0.4780, 0.2598

Sweetspot

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



32.5986, 0.3193, 0.5790



69.4326, 0.3228, 0.4066



23.3798, 0.4833, 0.4483



14.8026, 0.3241, 0.4196



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



32.5986, 0.3193, 0.5790



57.7238, 0.3148, 0.5883



31.6860, 0.2946, 0.5734



9.6165, 0.3162, 0.3522



23.4236, 0.3166, 0.5869



0.7690, 0.3398, 0.5684

Inverse Universe

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



7.8227, 0.2483, 0.1175



12.8247, 0.2411, 0.1102



11.8272, 0.3636, 0.1810



8.5089, 0.3089, 0.3062



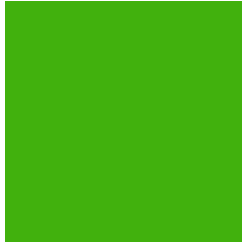
5.2716, 0.2433, 0.1114



0.1954, 0.2657, 0.1238

Previews

White Background



This preview shows how the Yxy color 32.5972, 0.3193, 0.5790 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 32.5972, 0.3193, 0.5790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

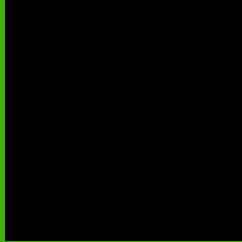
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5972, 0.3193, 0.5790

Background



This preview shows how black text looks on a background with the Yxy color 32.5972, 0.3193, 0.5790.



This preview shows how white text looks on a background with the Yxy color 32.5972, 0.3193, 0.5790.

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

32.5972, 0.3193, 0.5790

Protanopia

31.9954, 0.4399, 0.4889

Deuteranopia

32.0417, 0.4593, 0.4509



Tritanopia

32.6114, 0.2484, 0.3078

Trichromacy



Original Color

32.5972, 0.3193, 0.5790

Protanomaly

30.9200, 0.3887, 0.5276

Deuteranomaly

30.3187, 0.4006, 0.5030

Tritanomaly

31.6152, 0.2829, 0.4219

Monochromacy



Original Color

32.5972, 0.3193, 0.5790

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

23.4702, 0.3261, 0.4458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5972, 0.3193, 0.5790 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(65, 177, 13)` looks like.

```
.text, #text, p{  
    color:rgb(65, 177, 13)  
}
```

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(65, 177, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 177, 13) }
```

Border

The CSS property to change the border of an element to Yxy 32.5972, 0.3193, 0.5790 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(65, 177, 13) }
```

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

```
.border{ border-color:rgb(65, 177, 13) }
```

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

Here you see how a box with a 4 pixel rgb(65, 177, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 177, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 177, 13);  
box-shadow:4px 4px 4px 4px rgb(65, 177,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5972, 0.3193, 0.5790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 177, 13) }
```

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

```
.background{ background-color: rgb(65, 177,  
13) }
```

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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