

Converting Colors

$Y_{xy}(12.1910, 0.3595, 0.4934)$

Have a look what the booklet for
Yxy(12.1910, 0.3595, 0.4934)
contains.

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Color

Yxy(12.1910, 0.3595, 0.4934)

Conversions

Conversions Part 1

Format	Color
Hex	516A25
RGB	81, 106, 37
RGB Percent	32%, 42%, 15%
CMY	0.6823, 0.5843, 0.8549
CMYK	0.24, 0.00, 0.65, 0.58
HSL	82°, 48%, 28%
HSV	82°, 65%, 42%
XYZ	8.8826, 12.1910, 3.6346
YIQ	90.6590, 7.2490, -26.7590

Conversions

Conversions Part 2

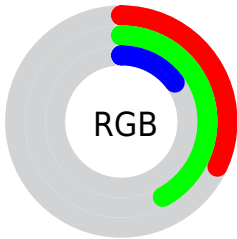
Format	Color
R_{YB}	37, 106, 62
Decimal	5335589
CIE _{Lab}	41.52, -21.02, 34.77
CIE _{LCh}	42, 40.633, 121.155
Y _{xy}	12.1910, 0.3595, 0.4934
Android (android.graphics.Color)	4283525669 (0xFF516A25)
YUV	90.6590, -26.4539, -8.4709
Hunter-Lab	34.9156, -15.6917, 18.2691

Details

The Yxy color **12.1910, 0.3595, 0.4934** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **3.3866, 0.2317, 0.1495**, and the grayscale version is **10.4413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6754, 0.3518, 0.4497**, and **3.3662, 0.3577, 0.5542** is the 20% darker color. If you saturate the color by 10%, you get **11.9696, 0.3621, 0.5147**, and if you desaturate by 10%, it is **12.4425, 0.3550, 0.4693**.

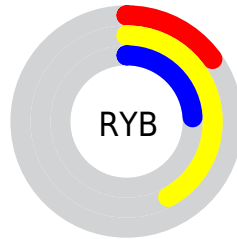
Distribution



Red (32%)

Green (42%)

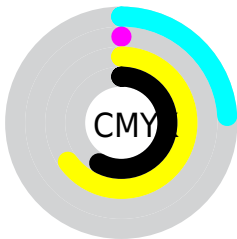
Blue (15%)



Red (15%)

Yellow (42%)

Blue (24%)

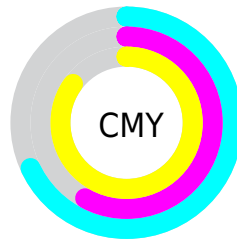


Cyan (24%)

Magenta (0%)

Yellow (65%)

Black (58%)



Cyan (68%)


Magenta (58%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1910, 0.3595, 0.4934 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 12.1910, 0.3595, 0.4934 by changing the saturation by 10% instead.


 12.1910, 0.3595,
0.4934

 12.1910, 0.3595,
0.4934


205.6657, 0.3357,
0.3907


 6.8739, 0.3625,
0.5279


 29.8425, 0.3518,
0.4498


 3.3834, 0.3739,
0.5974

 42.9457, 0.3485,
0.4354

 1.3350, 0.3436,
0.6564

 59.4130, 0.3455,
0.4240

 0.1681, 0.0000,
1.0000

 79.6289, 0.3430,
0.4148

 0.0000, 0.0000,
0.0000

 103.9777, 0.3408,
0.4072

 132.8438, 0.3389,

0.4008

166.6117, 0.3372,
0.3953

12.1910, 0.3595,
0.4934

12.1910, 0.3595,
0.4934

11.9696, 0.3621,
0.5147

12.4425, 0.3550,
0.4693

11.7746, 0.3625,
0.5321

12.7240, 0.3490,
0.4434

11.6031, 0.3609,
0.5458

13.0376, 0.3417,
0.4169

11.5234, 0.3601,
0.5523

13.3848, 0.3338,
0.3905

13.7669, 0.3254,
0.3649

■ 14.1849, 0.3170,
0.3407

■ 14.6402, 0.3087,
0.3182

■ 15.1339, 0.3006,
0.2974

■ 15.6669, 0.2930,
0.2784

Harmonies

Analogous

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



12.1910, 0.4347, 0.4619



12.1910, 0.3595, 0.4934



12.1910, 0.2765, 0.4631

Triad

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



12.1910, 0.3595, 0.4934



12.1910, 0.1659, 0.2235



12.1910, 0.4208, 0.2809

Complementary

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



12.1910, 0.3595, 0.4934



3.3866, 0.2317, 0.1495

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.



12.1910, 0.3312, 0.2330



12.1910, 0.3595, 0.4934



12.1910, 0.1916, 0.1996

Square

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



12.1910, 0.3595, 0.4934



12.1910, 0.1705, 0.2823



12.1910, 0.2478, 0.2042



12.1910, 0.4790, 0.3399

Rectangle

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



12.1910, 0.3595, 0.4934



12.1910, 0.2279, 0.4073



12.1910, 0.2478, 0.2042



12.1910, 0.3925, 0.2632

Sweetspot

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



12.1915, 0.3595, 0.4934



23.7887, 0.3300, 0.3787



6.5507, 0.4652, 0.3831



5.5411, 0.3317, 0.3839



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.1915, 0.3595, 0.4934



20.8289, 0.3625, 0.5240



11.0538, 0.3140, 0.5199



3.5315, 0.3203, 0.3499



14.2821, 0.3594, 0.5528



72.2708, 0.3561, 0.5554

Inverse Universe

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



3.3866, 0.2317, 0.1495



4.0413, 0.2093, 0.1127



4.8311, 0.2979, 0.1788



3.0735, 0.3047, 0.3079



1.7934, 0.1824, 0.0778



8.6849, 0.1770, 0.0748

Previews

White Background



This preview shows how the Yxy color 12.1910, 0.3595, 0.4934 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 12.1910, 0.3595, 0.4934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

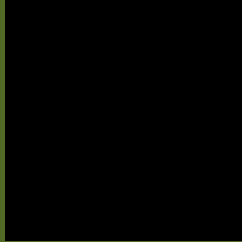
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1910, 0.3595, 0.4934

Background



This preview shows how black text looks on a background with the Yxy color 12.1910, 0.3595, 0.4934.



This preview shows how white text looks on a background with the Yxy color 12.1910, 0.3595, 0.4934.

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

12.1910, 0.3595, 0.4934

Protanopia

12.1079, 0.4153, 0.4580

Deuteranopia

12.0537, 0.4352, 0.4300



Tritanopia

12.1589, 0.2895, 0.3106

Trichromacy



Original Color

12.1910, 0.3595, 0.4934

Protanomaly

12.0874, 0.3941, 0.4708

Deuteranomaly

11.9527, 0.4051, 0.4528

Tritanomaly

12.1382, 0.3176, 0.3778

Monochromacy



Original Color

12.1910, 0.3595, 0.4934

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.8469, 0.3344, 0.3921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1910, 0.3595, 0.4934 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(81, 106, 37)` looks like.

```
.text, #text, p{  
    color:rgb(81, 106, 37)  
}
```

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(81, 106, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 106, 37) }
```

Border

The CSS property to change the border of an element to Yxy 12.1910, 0.3595, 0.4934 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(81, 106, 37) }
```

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

```
.border{ border-color:rgb(81, 106, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 106, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 106, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 106, 37);  
box-shadow:4px 4px 4px 4px rgb(81, 106,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1910, 0.3595, 0.4934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 106, 37) }
```

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

```
.background{ background-color: rgb(81, 106,  
37) }
```

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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