

Converting Colors

$Y_{xy}(12.6989, 0.3463, 0.5197)$

Have a look what the booklet for
Yxy(12.6989, 0.3463, 0.5197)
contains.

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Color

Yxy(12.8074, 0.3460, 0.5194)

Conversions

Conversions Part 1

Format	Color
Hex	476F1F
RGB	71, 111, 31
RGB Percent	28%, 44%, 12%
CMY	0.7215, 0.5647, 0.8784
CMYK	0.36, 0.00, 0.72, 0.56
HSL	90°, 56%, 28%
HSV	90°, 72%, 44%
XYZ	8.5317, 12.8074, 3.3190
YIQ	89.9200, 1.8400, -33.3600

Conversions

Conversions Part 2

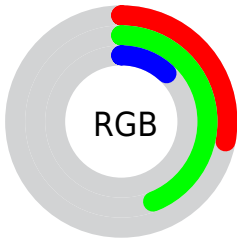
Format	Color
R_{YB}	31, 111, 71
Decimal	4681503
CIE _{Lab}	42.47, -28.16, 38.34
CIE _{LCh}	42, 47.568, 126.298
Yxy	12.8074, 0.3460, 0.5194
Android (android.graphics.Color)	4282871583 (0xFF476F1F)
YUV	89.9200, -29.0476, -16.5928
Hunter-Lab	35.7874, -20.0738, 19.5526

Details

The Yxy color **12.8074, 0.3460, 0.5194** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.4668, 0.2400, 0.1397**, and the grayscale version is **10.2731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9845, 0.3438, 0.4690**, and **3.7256, 0.3273, 0.5783** is the 20% darker color. If you saturate the color by 10%, you get **12.5588, 0.3452, 0.5404**, and if you desaturate by 10%, it is **13.0964, 0.3449, 0.4947**.

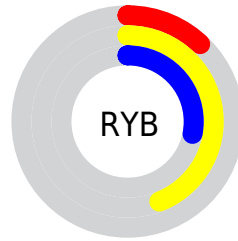
Distribution



Red (28%)

Green (44%)

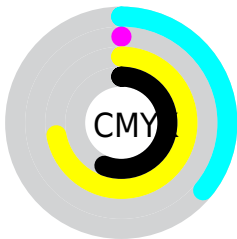
Blue (12%)



Red (12%)

Yellow (44%)

Blue (28%)

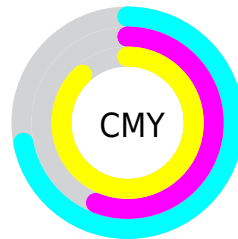


Cyan (36%)

Magenta (0%)

Yellow (72%)

Black (56%)



Cyan (72%)

Magenta (56%)


Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8074, 0.3460, 0.5194 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 12.8074, 0.3460, 0.5194 by changing the saturation by 10% instead.


 12.8074, 0.3460,
0.5194

 12.8074, 0.3460,
0.5194


 209.6796, 0.3322,
0.4001


 7.2961, 0.3443,
0.5592


 30.9573, 0.3433,
0.4688

 3.6479, 0.3505,
0.6445

 44.3647, 0.3414,
0.4521

 1.4786, 0.2971,
0.7029

 61.1729, 0.3395,
0.4388

 0.2736, 0.0000,
1.0000


 81.7663, 0.3377,
0.4281


 0.0000, 0.0000,
0.0000


 106.5292, 0.3361,
0.4192


 135.8462, 0.3347,

0.4118


 170.1015, 0.3334,
0.4055

 12.8074, 0.3460,
0.5194


 12.8074, 0.3460,
0.5194


 12.5588, 0.3452,
0.5404


 13.0964, 0.3449,
0.4947

 12.3463, 0.3424,
0.5568

 13.4266, 0.3420,
0.4676

 12.1958, 0.3397,
0.5684

 13.8005, 0.3378,
0.4393

 14.2203, 0.3326,
0.4111

 14.6876, 0.3266,
0.3837

■ 15.2042, 0.3204,
0.3578

■ 15.7718, 0.3140,
0.3337

■ 16.3917, 0.3077,
0.3117

■ 17.0656, 0.3016,
0.2916

Harmonies

Analogous

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



12.8074, 0.4342, 0.4865



12.8074, 0.3460, 0.5194



12.8074, 0.2541, 0.4723

Triad

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



12.8074, 0.3460, 0.5194



12.8074, 0.1516, 0.2021



12.8074, 0.4522, 0.2841

Complementary

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



12.8074, 0.3460, 0.5194



3.4668, 0.2400, 0.1397

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.



12.8074, 0.3511, 0.2290



12.8074, 0.3460, 0.5194



12.8074, 0.1850, 0.1831

Square

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



12.8074, 0.3460, 0.5194



12.8074, 0.1501, 0.2591



12.8074, 0.2526, 0.1935



12.8074, 0.5080, 0.3495

Rectangle

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



12.8074, 0.3460, 0.5194



12.8074, 0.2032, 0.3999



12.8074, 0.2526, 0.1935



12.8074, 0.4212, 0.2641

Sweetspot

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



12.8080, 0.3460, 0.5194



26.2548, 0.3270, 0.3851



7.8174, 0.4692, 0.4088



6.2656, 0.3282, 0.3906



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.8080, 0.3460, 0.5194



22.2435, 0.3436, 0.5513



11.7800, 0.3035, 0.5468



3.8375, 0.3184, 0.3502



14.3563, 0.3392, 0.5689



71.0019, 0.3354, 0.5719

Inverse Universe

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



3.4668, 0.2400, 0.1397



4.3984, 0.2200, 0.1082



5.4215, 0.3171, 0.1764



3.3747, 0.3066, 0.3078



2.3097, 0.2059, 0.0908



10.9927, 0.2005, 0.0878

Previews

White Background



This preview shows how the Yxy color 12.8074, 0.3460, 0.5194 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 12.8074, 0.3460, 0.5194 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 12.8074, 0.3460, 0.5194

Background



This preview shows how black text looks on a background with the Yxy color 12.8074, 0.3460, 0.5194.



This preview shows how white text looks on a background with the Yxy color 12.8074, 0.3460, 0.5194.

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

12.8074, 0.3460, 0.5194

Protanopia

12.6429, 0.4236, 0.4678

Deuteranopia

12.6780, 0.4430, 0.4360



Tritanopia

12.8643, 0.2740, 0.3105

Trichromacy



Original Color

12.8074, 0.3460, 0.5194

Protanomaly

12.5307, 0.3934, 0.4879

Deuteranomaly

12.4320, 0.4048, 0.4667

Tritanomaly

12.7596, 0.3033, 0.3885

Monochromacy



Original Color

12.8074, 0.3460, 0.5194

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.0040, 0.3301, 0.4032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8074, 0.3460, 0.5194 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(71, 111, 31)` looks like.

```
.text, #text, p{  
    color:rgb(71, 111, 31)  
}
```

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(71, 111, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 111, 31) }
```

Border

The CSS property to change the border of an element to Yxy 12.8074, 0.3460, 0.5194 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(71, 111, 31) }
```

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

```
.border{ border-color:rgb(71, 111, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 111, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 111, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 111, 31);  
box-shadow:4px 4px 4px 4px rgb(71, 111,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8074, 0.3460, 0.5194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 111, 31) }
```

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

```
.background{ background-color: rgb(71, 111,  
31) }
```

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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