

Converting Colors

$Y_{xy}(35.8424, 0.4449, 0.4707)$

Have a look what the booklet for
Yxy(35.8424, 0.4449, 0.4707)
contains.

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Color

Yxy(35.8424, 0.4449, 0.4707)

Conversions

Conversions Part 1

Format	Color
Hex	BE9F1F
RGB	190, 159, 31
RGB Percent	75%, 62%, 12%
CMY	0.2550, 0.3764, 0.8785
CMYK	0.00, 0.16, 0.84, 0.25
HSL	48°, 72%, 43%
HSV	48°, 84%, 75%
XYZ	33.8778, 35.8424, 6.4268
YIQ	153.6770, 59.5640, -33.2360

Conversions

Conversions Part 2

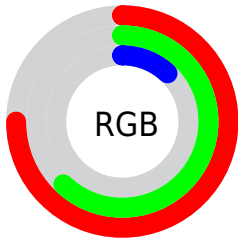
Format	Color
RYB	70, 190, 31
Decimal	12492575
CIELab	66.40, -0.66, 64.20
CIELCh	66, 64.200, 90.588
Yxy	35.8424, 0.4449, 0.4707
Android (android.graphics.Color)	4290682655 (0xFFBE9F1F)
YUV	153.6770, -60.4798, 31.8553
Hunter-Lab	59.8685, -3.7621, 35.5433

Details

The Yxy color **35.8424, 0.4449, 0.4707** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **7.4476, 0.1689, 0.1086**, and the grayscale version is **32.4156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6338, 0.4252, 0.4488**, and **15.6307, 0.4544, 0.4774** is the 20% darker color. If you saturate the color by 10%, you get **34.5178, 0.4539, 0.4738**, and if you desaturate by 10%, it is **37.2675, 0.4330, 0.4630**.

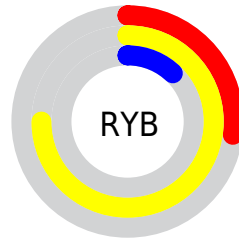
Distribution



Red (75%)

Green (62%)

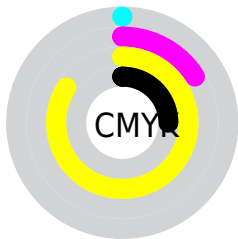
Blue (12%)



Red (27%)

Yellow (75%)

Blue (12%)

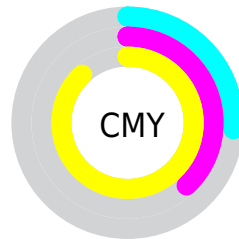


Cyan (0%)

Magenta (16%)

Yellow (84%)

Black (25%)



Cyan (26%)


Magenta (38%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8424, 0.4449, 0.4707 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 35.8424, 0.4449, 0.4707 by changing the saturation by 10% instead.


 35.8424, 0.4449,
0.4707


 35.8424, 0.4449,
0.4707


328.2712, 0.3834,
0.4044

 24.3125, 0.4564,
0.4833


 68.7887, 0.4249,
0.4491


 15.5656, 0.4683,
0.4963


 90.9740, 0.4166,
0.4401


 9.2173, 0.4851,
0.5149


 117.4798, 0.4093,
0.4322

 4.8832, 0.4846,
0.5154

 148.6906, 0.4028,
0.4253

 2.1789, 0.4838,
0.5162

 184.9907, 0.3971,
0.4191

 0.7084, 0.4813,
0.5187

 226.7646, 0.3920,

 0.0000, 0.0000,

0.4137

0.0000

274.3966, 0.3874,
0.4088

■ 35.8424, 0.4449,
0.4707

■ 35.8424, 0.4449,
0.4707

■ 34.5178, 0.4539,
0.4738

■ 37.2675, 0.4330,
0.4630

■ 33.7204, 0.4586,
0.4741

■ 38.7973, 0.4187,
0.4510

■ 40.4414, 0.4025,
0.4354

■ 42.2065, 0.3853,
0.4171

■ 44.0989, 0.3677,
0.3973

■ 46.1242, 0.3504,
0.3767

■ 48.2874, 0.3338,
0.3561

■ 50.5935, 0.3182,
0.3362

■ 53.0469, 0.3037,
0.3171

Harmonies

Analogous

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



35.8424, 0.4968, 0.4049



35.8424, 0.4449, 0.4707



35.8424, 0.3631, 0.5102

Triad

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



35.8424, 0.4449, 0.4707



35.8424, 0.1590, 0.2779



35.8424, 0.3304, 0.2242

Complementary

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



35.8424, 0.4449, 0.4707



7.4476, 0.1689, 0.1086

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.



35.8424, 0.2401, 0.1940



35.8424, 0.4449, 0.4707



35.8424, 0.1541, 0.2143

Square

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



35.8424, 0.4449, 0.4707



35.8424, 0.1990, 0.3807



35.8424, 0.1807, 0.1891



35.8424, 0.4300, 0.2748

Rectangle

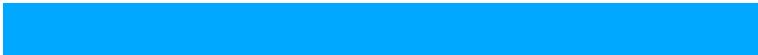
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.8424, 0.4449, 0.4707



35.8424, 0.3026, 0.5000



35.8424, 0.1807, 0.1891



35.8424, 0.2976, 0.2115

Sweetspot

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



35.8441, 0.4449, 0.4707



82.9534, 0.3533, 0.3802



12.2803, 0.5550, 0.3014



17.9261, 0.3595, 0.3876



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



35.8441, 0.4449, 0.4707



60.7619, 0.4593, 0.4735



42.6953, 0.3709, 0.5303



10.7961, 0.3269, 0.3474



22.5364, 0.4580, 0.4746



0.9651, 0.4471, 0.4832

Inverse Universe

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



7.4476, 0.1689, 0.1086



8.8659, 0.1546, 0.0765



6.3441, 0.1893, 0.0925



9.5182, 0.2984, 0.3100



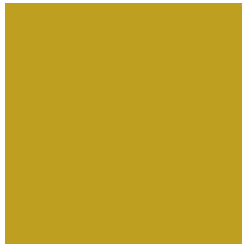
3.4415, 0.1557, 0.0804



0.2262, 0.1677, 0.1237

Previews

White Background



This preview shows how the Yxy color 35.8424, 0.4449, 0.4707 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 35.8424, 0.4449, 0.4707 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 35.8424, 0.4449, 0.4707

Background



This preview shows how black text looks on a background with the Yxy color 35.8424, 0.4449, 0.4707.

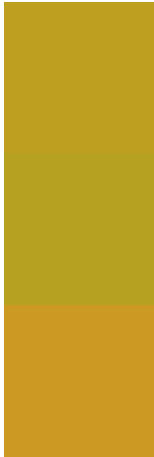


This preview shows how white text looks on a background with the Yxy color 35.8424, 0.4449, 0.4707.

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

35.8424, 0.4449, 0.4707

Protanopia

35.8900, 0.4333, 0.4789

Deuteranopia

35.7353, 0.4642, 0.4535



Tritanopia

35.6888, 0.3539, 0.3147

Trichromacy



Original Color

35.8424, 0.4449, 0.4707

Protanomaly

35.9083, 0.4374, 0.4757

Deuteranomaly

35.6946, 0.4575, 0.4594

Tritanomaly

35.2284, 0.3981, 0.3826

Monochromacy



Original Color

35.8424, 0.4449, 0.4707

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.0966, 0.3688, 0.3991

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8424, 0.4449, 0.4707 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(190, 159, 31)` looks like.

```
.text, #text, p{  
    color:rgb(190, 159, 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(190, 159, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 159, 31) }
```

Border

The CSS property to change the border of an element to Yxy 35.8424, 0.4449, 0.4707 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(190, 159, 31) }
```

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

```
.border{ border-color:rgb(190, 159, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 159, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 159, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 159, 31);  
box-shadow:4px 4px 4px 4px rgb(190, 159,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8424, 0.4449, 0.4707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 159, 31) }
```

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

```
.background{ background-color: rgb(190,  
159, 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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