

Converting Colors

$Y_{xy}(35.6890, 0.4503, 0.4737)$

Have a look what the booklet for
Yxy(35.6890, 0.4503, 0.4737)
contains.

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Color

Yxy(35.5771, 0.4504, 0.4737)

Conversions

Conversions Part 1

Format	Color
Hex	BF9E13
RGB	191, 158, 19
RGB Percent	75%, 62%, 7%
CMY	0.2510, 0.3803, 0.9254
CMYK	0.00, 0.17, 0.90, 0.25
HSL	48°, 82%, 41%
HSV	48°, 90%, 75%
XYZ	33.8272, 35.5771, 5.7004
YIQ	152.0210, 64.2870, -36.2330

Conversions

Conversions Part 2

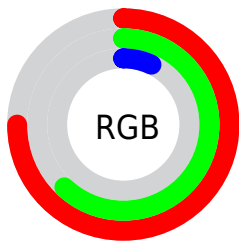
Format	Color
RYB	60, 191, 19
Decimal	12557843
CIELab	66.20, 0.04, 66.90
CIELCh	66, 66.897, 89.964
Yxy	35.5771, 0.4504, 0.4737
Android (android.graphics.Color)	4290747923 (0xFFBF9E13)
YUV	152.0210, -65.5794, 34.1846
Hunter-Lab	59.6465, -3.1493, 36.0862

Details

The Yxy color **35.5771, 0.4504, 0.4737** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **6.3539, 0.1622, 0.0946**, and the grayscale version is **31.6778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2054, 0.4301, 0.4523**, and **15.5019, 0.4575, 0.4750** is the 20% darker color. If you saturate the color by 10%, you get **34.3064, 0.4579, 0.4746**, and if you desaturate by 10%, it is **36.9404, 0.4404, 0.4689**.

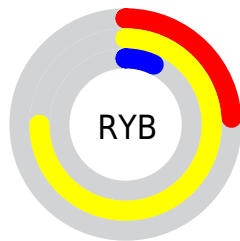
Distribution



Red (75%)

Green (62%)

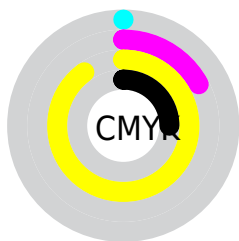
Blue (7%)



Red (24%)

Yellow (75%)

Blue (7%)

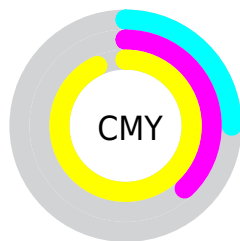


Cyan (0%)

Magenta (17%)

Yellow (90%)

Black (25%)



Cyan (25%)


Magenta (38%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5771, 0.4504, 0.4737 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 35.5771, 0.4504, 0.4737 by changing the saturation by 10% instead.


 35.5771, 0.4504,
0.4737


 35.5771, 0.4504,
0.4737


327.1083, 0.3869,
0.4070


 24.1078, 0.4619,
0.4858


 68.3788, 0.4301,
0.4524

 15.4136, 0.4734,
0.4978


 90.4800, 0.4215,
0.4434


 9.1102, 0.4874,
0.5126

 116.8939, 0.4139,
0.4354

 4.8131, 0.4875,
0.5125

 148.0050, 0.4072,
0.4283

 2.1380, 0.4875,
0.5125

 184.1975, 0.4012,
0.4221

 0.6859, 0.4877,
0.5123

 225.8560, 0.3959,

 0.0000, 0.0000,

0.4165

0.0000

273.3648, 0.3912,
0.4115

■ 35.5771, 0.4504,
0.4737

■ 35.5771, 0.4504,
0.4737

■ 34.3064, 0.4579,
0.4746

■ 36.9404, 0.4404,
0.4689

■ 38.4028, 0.4277,
0.4595

■ 39.9748, 0.4127,
0.4461

■ 41.6639, 0.3961,
0.4293

■ 43.4767, 0.3788,
0.4103

■ 45.4192, 0.3613,
0.3900

■ 47.4970, 0.3442,
0.3693

■ 49.7150, 0.3280,
0.3488

■ 52.0780, 0.3128,
0.3291

Harmonies

Analogous

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



35.5771, 0.5043, 0.4046



35.5771, 0.4504, 0.4737



35.5771, 0.3657, 0.5179

Triad

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



35.5771, 0.4504, 0.4737



35.5771, 0.1540, 0.2769



35.5771, 0.3287, 0.2196

Complementary

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



35.5771, 0.4504, 0.4737



6.3539, 0.1622, 0.0946

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.



35.5771, 0.2354, 0.1890



35.5771, 0.4504, 0.4737



35.5771, 0.1486, 0.2106

Square

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



35.5771, 0.4504, 0.4737



35.5771, 0.1955, 0.3853



35.5771, 0.1752, 0.1844



35.5771, 0.4332, 0.2712

Rectangle

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



35.5771, 0.4504, 0.4737



35.5771, 0.3032, 0.5095



35.5771, 0.1752, 0.1844



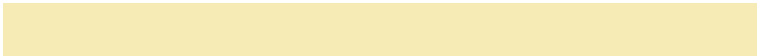
35.5771, 0.2946, 0.2067

Sweetspot

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



35.5788, 0.4504, 0.4737



82.3131, 0.3568, 0.3846



11.8011, 0.5782, 0.3051



17.8004, 0.3628, 0.3918



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.



35.5788, 0.4504, 0.4737



61.1124, 0.4586, 0.4741



42.8238, 0.3700, 0.5379



10.8011, 0.3269, 0.3474



22.6624, 0.4573, 0.4751



0.9690, 0.4466, 0.4836

Inverse Universe

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



6.3539, 0.1622, 0.0946



8.8041, 0.1545, 0.0761



5.5517, 0.1809, 0.0823



9.5135, 0.2984, 0.3099



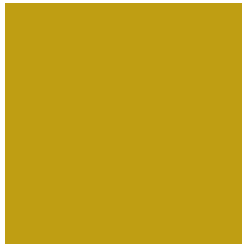
3.4165, 0.1555, 0.0799



0.2242, 0.1675, 0.1228

Previews

White Background



This preview shows how the Yxy color 35.5771, 0.4504, 0.4737 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 35.5771, 0.4504, 0.4737 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 35.5771, 0.4504, 0.4737

Background



This preview shows how black text looks on a background with the Yxy color 35.5771, 0.4504, 0.4737.



This preview shows how white text looks on a background with the Yxy color 35.5771, 0.4504, 0.4737.

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

35.5771, 0.4504, 0.4737

Protanopia

35.8363, 0.4367, 0.4840

Deuteranopia

35.5449, 0.4666, 0.4584



Tritanopia

35.4782, 0.3563, 0.3148

Trichromacy



Original Color

35.5771, 0.4504, 0.4737

Protanomaly

35.8545, 0.4408, 0.4807

Deuteranomaly

35.6427, 0.4610, 0.4639

Tritanomaly

34.9305, 0.4047, 0.3875

Monochromacy



Original Color

35.5771, 0.4504, 0.4737

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.2177, 0.3734, 0.4040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5771, 0.4504, 0.4737 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(191, 158, 19)` looks like.

```
.text, #text, p{  
    color:rgb(191, 158, 19)  
}
```

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(191, 158, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 158, 19) }
```

Border

The CSS property to change the border of an element to Yxy 35.5771, 0.4504, 0.4737 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(191, 158, 19) }
```

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

```
.border{ border-color:rgb(191, 158, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 158, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 158, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 158, 19);  
box-shadow:4px 4px 4px 4px rgb(191, 158,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5771, 0.4504, 0.4737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 158, 19) }
```

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

```
.background{ background-color: rgb(191,  
158, 19) }
```

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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