

Converting Colors

$Y_{xy}(58.1829, 0.4730, 0.4607)$

Have a look what the booklet for
Yxy(58.1829, 0.4730, 0.4607)
contains.

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Color

Yxy(58.1088, 0.4732, 0.4605)

Conversions

Conversions Part 1

Format	Color
Hex	FFBE0A
RGB	255, 190, 10
RGB Percent	100%, 75%, 4%
CMY	0.0000, 0.2549, 0.9593
CMYK	0.00, 0.25, 0.96, 0.00
HSL	44°, 100%, 52%
HSV	44°, 96%, 100%
XYZ	59.7114, 58.1088, 8.3662
YIQ	188.9150, 96.5200, -42.2000

Conversions

Conversions Part 2

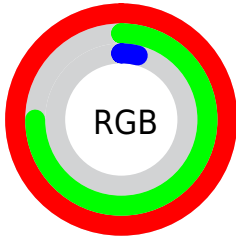
Format	Color
R _Y B	98, 255, 10
Decimal	16760330
CIE Lab	80.80, 10.99, 81.87
CIE LCh	81, 82.604, 82.354
Yxy	58.1088, 0.4732, 0.4605
Android (android.graphics.Color)	4294950410 (0xFFFFBE0A)
YUV	188.9150, -88.2051, 57.9565
Hunter-Lab	76.2291, 6.4206, 46.8533

Details

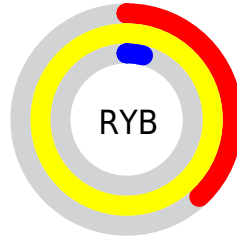
The Yxy color **58.1088, 0.4732, 0.4605** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle saturated orange. A complement of this color would be **12.3689, 0.1606, 0.0959**, and the grayscale version is **51.3357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8597, 0.4087, 0.4730**, and **29.2288, 0.4821, 0.4554** is the 20% darker color. If you saturate the color by 10%, you get **56.9058, 0.4769, 0.4595**, and if you desaturate by 10%, it is **61.2183, 0.4625, 0.4605**.

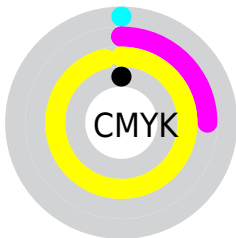
Distribution



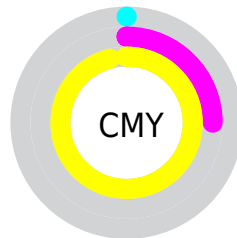
- Red (100%)
- Green (75%)
- Blue (4%)



- Red (38%)
- Yellow (100%)
- Blue (4%)



- Cyan (0%)
- Magenta (25%)
- Yellow (96%)
- Black (0%)





- Cyan (0%)
- Magenta (25%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.1088, 0.4732, 0.4605 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 58.1088, 0.4732, 0.4605 by changing the saturation by 10% instead.


 58.1088, 0.4732,
0.4605


 58.1088, 0.4732,
0.4605


417.5912, 0.4054,
0.4096


 41.8961, 0.4849,
0.4677

 102.0813, 0.4524,
0.4461

 29.0200, 0.4971,
0.4742

 130.6099, 0.4434,
0.4395

 19.0959, 0.5102,
0.4797


 164.0126, 0.4353,
0.4333

 11.7396, 0.5202,
0.4798

 202.6737, 0.4281,
0.4277

 6.5666, 0.5271,
0.4729

 246.9778, 0.4215,
0.4226

 3.1926, 0.5375,
0.4625

 297.3091, 0.4156,

 1.2331, 0.5552,

0.4178

0.4448

354.0521, 0.4103,
0.4135

■ 0.0885, 0.7993,
0.2007

■ 0.0000, 0.0000,
0.0000

■ 58.1088, 0.4732,
0.4605

■ 58.1088, 0.4732,
0.4605


■ 56.9058, 0.4769,
0.4595

■ 61.2183, 0.4625,
0.4605

■ 64.5745, 0.4486,
0.4556

■ 68.2014, 0.4320,
0.4459


■ 72.1172, 0.4137,
0.4322

 76.3373, 0.3944,
0.4156

 80.8759, 0.3750,
0.3971

 85.7457, 0.3562,
0.3779

 90.9584, 0.3383,
0.3585

 96.5252, 0.3218,
0.3397

Harmonies

Analogous

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



58.1088, 0.5182, 0.3871



58.1088, 0.4732, 0.4605



58.1088, 0.3904, 0.5194

Triad

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



58.1088, 0.4732, 0.4605



58.1088, 0.1549, 0.2990



58.1088, 0.3017, 0.2051

Complementary

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



58.1088, 0.4732, 0.4605



12.3689, 0.1606, 0.0959

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.



58.1088, 0.2127, 0.1800



58.1088, 0.4732, 0.4605



58.1088, 0.1409, 0.2183

Square

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



58.1088, 0.4732, 0.4605



58.1088, 0.2073, 0.4200



58.1088, 0.1600, 0.1824



58.1088, 0.4124, 0.2535

Rectangle

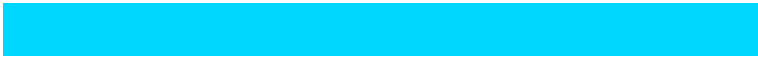
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.1088, 0.4732, 0.4605



58.1088, 0.3262, 0.5273



58.1088, 0.1600, 0.1824



58.1088, 0.2683, 0.1939

Sweetspot

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



58.1108, 0.4732, 0.4605



84.2166, 0.3618, 0.3838



22.0014, 0.5809, 0.2997



17.5818, 0.3699, 0.3920



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



58.1108, 0.4732, 0.4605



56.9058, 0.4769, 0.4595



83.5375, 0.3789, 0.5357



20.2261, 0.3276, 0.3464



29.9926, 0.4758, 0.4604



3.0996, 0.4679, 0.4667

Inverse Universe

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



12.3689, 0.1606, 0.0959



11.3243, 0.1581, 0.0891



8.6543, 0.1649, 0.0696



18.1626, 0.2979, 0.3110



6.1241, 0.1588, 0.0917



0.7663, 0.1647, 0.1129

Previews

White Background



This preview shows how the Yxy color 58.1088, 0.4732, 0.4605 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 58.1088, 0.4732, 0.4605 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 58.1088, 0.4732, 0.4605

Background



This preview shows how black text looks on a background with the Yxy color 58.1088, 0.4732, 0.4605.



This preview shows how white text looks on a background with the Yxy color 58.1088, 0.4732, 0.4605.

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

58.1088, 0.4732, 0.4605

Protanopia

58.1447, 0.4397, 0.4854

Deuteranopia

57.9175, 0.4726, 0.4613



Tritanopia

58.1135, 0.3678, 0.3177

Trichromacy



Original Color

58.1088, 0.4732, 0.4605

Protanomaly

57.9715, 0.4518, 0.4764

Deuteranomaly

57.9175, 0.4726, 0.4613

Tritanomaly

57.0473, 0.4237, 0.3890

Monochromacy



Original Color

58.1088, 0.4732, 0.4605

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

51.9966, 0.3856, 0.4069

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1088, 0.4732, 0.4605 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(255, 190, 10)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 10)  
}
```

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(255, 190, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 10) }
```

Border

The CSS property to change the border of an element to Yxy 58.1088, 0.4732, 0.4605 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(255, 190, 10) }
```

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

```
.border{ border-color:rgb(255, 190, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 190, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 10);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1088, 0.4732, 0.4605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 10) }
```

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

```
.background{ background-color: rgb(255,  
190, 10) }
```

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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