

Converting Colors

$Y_{xy}(58.6307, 0.4729, 0.4627)$

Have a look what the booklet for
Yxy(58.6307, 0.4729, 0.4627)
contains.

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Color

Yxy(58.5216, 0.4732, 0.4625)

Conversions

Conversions Part 1

Format	Color
Hex	FFBF00
RGB	255, 191, 0
RGB Percent	100%, 75%, 0%
CMY	0.0000, 0.2510, 1.0000
CMYK	0.00, 0.25, 1.00, 0.00
HSL	45°, 100%, 50%
HSV	45°, 100%, 100%
XYZ	59.8755, 58.5216, 8.1361
YIQ	188.3620, 99.4550, -45.8330

Conversions

Conversions Part 2

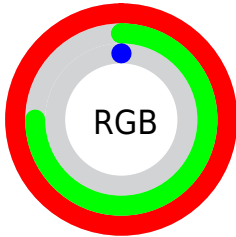
Format	Color
R_{YB}	85, 255, 0
Decimal	16760576
CIE Lab	81.03, 10.40, 83.05
CIE LCh	81, 83.698, 82.864
Yxy	58.5216, 0.4732, 0.4625
Android (android.graphics.Color)	4294950656 (0xFFFFBF00)
YUV	188.3620, -92.8625, 58.4415
Hunter-Lab	76.4994, 5.8366, 47.2438

Details

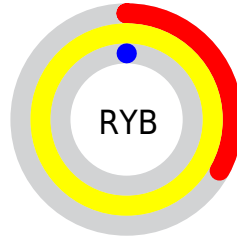
The Yxy color **58.5216, 0.4732, 0.4625** is a dark color, and the websafe version is hex **FFCC00**, and the color name is **amber**. The color can be described as middle saturated orange. A complement of this color would be **10.8869, 0.1573, 0.0861**, and the grayscale version is **51.0022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4216, 0.4092, 0.4755**, and **29.5144, 0.4807, 0.4565** is the 20% darker color. If you saturate the color by 10%, you get **58.5213, 0.4732, 0.4625**, and if you desaturate by 10%, it is **61.4465, 0.4640, 0.4638**.

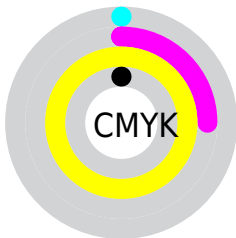
Distribution



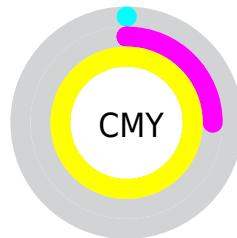
- Red (100%)
- Green (75%)
- Blue (0%)



- Red (33%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (25%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (25%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.5216, 0.4732, 0.4625 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 58.5216, 0.4732, 0.4625 by changing the saturation by 10% instead.

 58.5216, 0.4732,
0.4625


 58.5216, 0.4732,
0.4625


419.1267, 0.4059,
0.4110


 42.2281, 0.4847,
0.4698

 102.6820, 0.4527,
0.4480

 29.2800, 0.4965,
0.4762


 131.3178, 0.4438,
0.4413


 19.2927, 0.5094,
0.4820


 164.8364, 0.4357,
0.4351

 11.8820, 0.5184,
0.4816

 203.6224, 0.4285,
0.4294

 6.6634, 0.5248,
0.4752

 248.0600, 0.4220,
0.4241

 3.2525, 0.5346,
0.4654

 298.5336, 0.4161,

 1.2649, 0.5512,

0.4194

0.4488

355.4277, 0.4108,
0.4150

■ 0.1138, 0.7608,
0.2392

■ 0.0000, 0.0000,
0.0000

■ 58.5216, 0.4732,
0.4625

■ 58.5216, 0.4732,
0.4625

■ 58.5213, 0.4732,
0.4625

■ 61.4465, 0.4640,
0.4638

■ 64.5894, 0.4520,
0.4606

■ 67.9805, 0.4371,
0.4525

■ 71.6388, 0.4199,
0.4401

■ 75.5805, 0.4013,
0.4243

■ 79.8200, 0.3822,
0.4062

■ 84.3701, 0.3634,
0.3868

■ 89.2429, 0.3453,
0.3671

■ 94.4494, 0.3283,
0.3477

Harmonies

Analogous

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



58.5216, 0.5198, 0.3884



58.5216, 0.4732, 0.4625



58.5216, 0.3891, 0.5219

Triad

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



58.5216, 0.4732, 0.4625



58.5216, 0.1530, 0.2967



58.5216, 0.3033, 0.2047

Complementary

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



58.5216, 0.4732, 0.4625



10.8869, 0.1573, 0.0861

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.



58.5216, 0.2130, 0.1790



58.5216, 0.4732, 0.4625



58.5216, 0.1396, 0.2162

Square

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



58.5216, 0.4732, 0.4625



58.5216, 0.2049, 0.4189



58.5216, 0.1594, 0.1808



58.5216, 0.4152, 0.2537

Rectangle

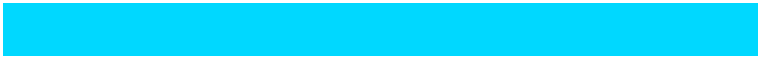
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.5216, 0.4732, 0.4625



58.5216, 0.3243, 0.5293



58.5216, 0.1594, 0.1808



58.5216, 0.2694, 0.1933

Sweetspot

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



58.5213, 0.4732, 0.4625



84.3701, 0.3634, 0.3868



21.6774, 0.5923, 0.3037



17.6398, 0.3713, 0.3951



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.



58.5213, 0.4732, 0.4625



83.1888, 0.3778, 0.5382



20.2732, 0.3275, 0.3467



30.8287, 0.4721, 0.4634



3.1751, 0.4647, 0.4692

Inverse Universe

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



10.8869, 0.1573, 0.0861



8.1652, 0.1614, 0.0663



18.1184, 0.2979, 0.3107



5.8866, 0.1580, 0.0887



0.7379, 0.1638, 0.1095

Previews

White Background



This preview shows how the Yxy color 58.5216, 0.4732, 0.4625 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 58.5216, 0.4732, 0.4625 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 58.5216, 0.4732, 0.4625

Background



This preview shows how black text looks on a background with the Yxy color 58.5216, 0.4732, 0.4625.



This preview shows how white text looks on a background with the Yxy color 58.5216, 0.4732, 0.4625.

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

58.5216, 0.4732, 0.4625

Protanopia

58.6037, 0.4391, 0.4867

Deuteranopia

58.5216, 0.4732, 0.4625



Tritanopia

58.5662, 0.3667, 0.3177

Trichromacy



Original Color

58.5216, 0.4732, 0.4625

Protanomaly

58.4124, 0.4514, 0.4780

Deuteranomaly

58.5216, 0.4732, 0.4625

Tritanomaly

57.3880, 0.4255, 0.3928

Monochromacy



Original Color

58.5216, 0.4732, 0.4625

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

51.7483, 0.3878, 0.4118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5216, 0.4732, 0.4625 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, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 0)  
}
```

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, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 58.5216, 0.4732, 0.4625 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, 191, 0) }
```

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

```
.border{ border-color:rgb(255, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 58.5216, 0.4732, 0.4625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 0) }
```

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

```
.background{ background-color: rgb(255,  
191, 0) }
```

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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