

Converting Colors

Yxy(57.8636, 0.4747, 0.4613)

Have a look what the booklet for
Yxy(57.8636, 0.4747, 0.4613)
contains.

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Color

Yxy(57.6552, 0.4752, 0.4609)

Conversions

Conversions Part 1

Format	Color
Hex	FFBD00
RGB	255, 189, 0
RGB Percent	100%, 74%, 0%
CMY	0.0000, 0.2588, 1.0000
CMYK	0.00, 0.26, 1.00, 0.00
HSL	44°, 100%, 50%
HSV	44°, 100%, 100%
XYZ	59.4440, 57.6552, 7.9934
YIQ	187.1880, 100.0050, -44.7870

Conversions

Conversions Part 2

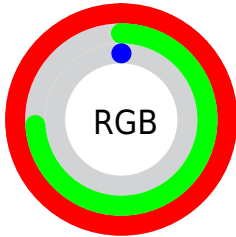
Format	Color
R _Y B	89, 255, 0
Decimal	16760064
CIE Lab	80.55, 11.44, 82.72
CIE LCh	81, 83.503, 82.126
Yxy	57.6552, 0.4752, 0.4609
Android (android.graphics.Color)	4294950144 (0xFFFFBD00)
YUV	187.1880, -92.2837, 59.4711
Hunter-Lab	75.9310, 6.8628, 46.9101

Details

The Yxy color **57.6552, 0.4752, 0.4609** 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 **11.1168, 0.1577, 0.0877**, and the grayscale version is **50.2934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2049, 0.4104, 0.4741**, and **28.9458, 0.4834, 0.4544** is the 20% darker color. If you saturate the color by 10%, you get **57.6537, 0.4752, 0.4609**, and if you desaturate by 10%, it is **60.6306, 0.4657, 0.4624**.

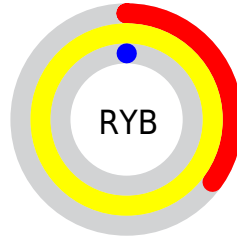
Distribution



Red (100%)

Green (74%)

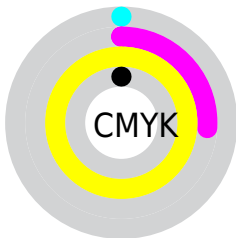
Blue (0%)



Red (35%)

Yellow (100%)

Blue (0%)

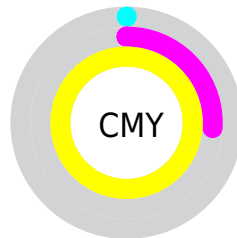


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (26%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.6552, 0.4752, 0.4609 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 57.6552, 0.4752, 0.4609 by changing the saturation by 10% instead.

 57.6552, 0.4752,
0.4609


 57.6552, 0.4752,
0.4609


415.8999, 0.4067,
0.4102


 41.5315, 0.4870,
0.4679


 101.4206, 0.4542,
0.4467

 28.7346, 0.4991,
0.4741


 129.8311, 0.4452,
0.4401


 18.8802, 0.5126,
0.4796


 163.1059, 0.4370,
0.4340

 11.5837, 0.5217,
0.4783

 201.6296, 0.4297,
0.4284

 6.4609, 0.5289,
0.4711

 245.7864, 0.4231,
0.4232

 3.1273, 0.5398,
0.4602

 295.9608, 0.4171,

 1.1986, 0.5585,


0.4185


352.5372, 0.4117,
0.4142


0.4415


 0.0605, 0.8477,
0.1523

 0.0000, 0.0000,
0.0000


 57.6552, 0.4752,
0.4609


 57.6552, 0.4752,
0.4609


 57.6537, 0.4752,
0.4609

 60.6306, 0.4657,
0.4624

 63.8327, 0.4534,
0.4593

 67.2904, 0.4381,
0.4514


 71.0231, 0.4206,
0.4391

 75.0470, 0.4018,
0.4234

 79.3767, 0.3826,
0.4054

 84.0251, 0.3636,
0.3862

 89.0045, 0.3454,
0.3667

 94.3259, 0.3284,
0.3475

Harmonies

Analogous

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



57.6552, 0.5206, 0.3866



57.6552, 0.4752, 0.4609



57.6552, 0.3915, 0.5214

Triad

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



57.6552, 0.4752, 0.4609



57.6552, 0.1534, 0.2991



57.6552, 0.3007, 0.2035

Complementary

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



57.6552, 0.4752, 0.4609



11.1168, 0.1577, 0.0877

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.



57.6552, 0.2110, 0.1784



57.6552, 0.4752, 0.4609



57.6552, 0.1392, 0.2173

Square

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



57.6552, 0.4752, 0.4609



57.6552, 0.2064, 0.4222



57.6552, 0.1582, 0.1810



57.6552, 0.4128, 0.2521

Rectangle

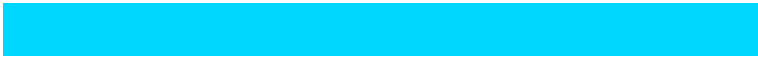
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.6552, 0.4752, 0.4609



57.6552, 0.3267, 0.5303



57.6552, 0.1582, 0.1810



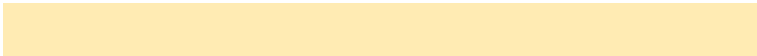
57.6552, 0.2669, 0.1923

Sweetspot

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



57.6537, 0.4752, 0.4609



84.0251, 0.3636, 0.3862



21.6774, 0.5923, 0.3037



17.5568, 0.3715, 0.3944



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.



57.6537, 0.4752, 0.4609



83.1888, 0.3778, 0.5382



20.2480, 0.3276, 0.3465



30.3797, 0.4740, 0.4618



3.1346, 0.4664, 0.4679

Inverse Universe

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



11.1168, 0.1577, 0.0877



8.1652, 0.1614, 0.0663



18.1420, 0.2979, 0.3108



6.0115, 0.1584, 0.0903



0.7529, 0.1643, 0.1113

Previews

White Background



This preview shows how the Yxy color 57.6552, 0.4752, 0.4609 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 57.6552, 0.4752, 0.4609 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 57.6552, 0.4752, 0.4609

Background



This preview shows how black text looks on a background with the Yxy color 57.6552, 0.4752, 0.4609.



This preview shows how white text looks on a background with the Yxy color 57.6552, 0.4752, 0.4609.

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

57.6552, 0.4752, 0.4609

Protanopia

57.9737, 0.4392, 0.4866

Deuteranopia

57.7096, 0.4726, 0.4629



Tritanopia

57.6641, 0.3689, 0.3177

Trichromacy



Original Color

57.6552, 0.4752, 0.4609

Protanomaly

57.9568, 0.4524, 0.4772

Deuteranomaly

57.8977, 0.4734, 0.4623

Tritanomaly

56.5321, 0.4275, 0.3918

Monochromacy



Original Color

57.6552, 0.4752, 0.4609

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.2954, 0.3891, 0.4118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.6552, 0.4752, 0.4609 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, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 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, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 0) }
```

Border

The CSS property to change the border of an element to Yxy 57.6552, 0.4752, 0.4609 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, 189, 0) }
```

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

```
.border{ border-color:rgb(255, 189, 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, 189, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 57.6552, 0.4752, 0.4609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 0) }
```

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

```
.background{ background-color: rgb(255,  
189, 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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