

Converting Colors

$Yxy(61.5505, 0.4665, 0.4678)$

Have a look what the booklet for
Yxy(61.5505, 0.4665, 0.4678)
contains.

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Color

Yxy(61.6482, 0.4663, 0.4679)

Conversions

Conversions Part 1

Format	Color
Hex	FFC600
RGB	255, 198, 0
RGB Percent	100%, 78%, 0%
CMY	0.0000, 0.2235, 0.9988
CMYK	0.00, 0.22, 1.00, 0.00
HSL	47°, 100%, 50%
HSV	47°, 100%, 100%
XYZ	61.4374, 61.6482, 8.6695
YIQ	192.4710, 97.5300, -49.4940

Conversions

Conversions Part 2

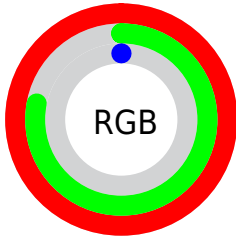
Format	Color
R _Y B	73, 255, 0
Decimal	16762368
CIE Lab	82.73, 6.77, 84.18
CIE LCh	83, 84.448, 85.400
Yxy	61.6482, 0.4663, 0.4679
Android (android.graphics.Color)	4294952448 (0xFFFFC600)
YUV	192.4710, -94.8882, 54.8379
Hunter-Lab	78.5164, 2.2688, 48.4149

Details

The Yxy color **61.6482, 0.4663, 0.4679** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **10.1790, 0.1559, 0.0813**, and the grayscale version is **53.5479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8155, 0.4044, 0.4790**, and **31.5883, 0.4716, 0.4638** is the 20% darker color. If you saturate the color by 10%, you get **61.6174, 0.4664, 0.4679**, and if you desaturate by 10%, it is **64.3814, 0.4581, 0.4686**.

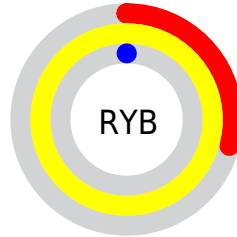
Distribution



Red (100%)

Green (78%)

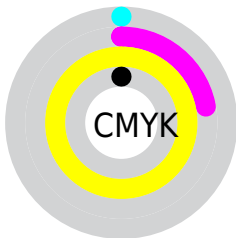
Blue (0%)



Red (29%)

Yellow (100%)

Blue (0%)

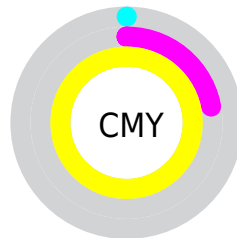


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.6482, 0.4663, 0.4679 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 61.6482, 0.4663, 0.4679 by changing the saturation by 10% instead.

 61.6482, 0.4663,
0.4679

 61.6482, 0.4663,
0.4679

430.6467, 0.4030,
0.4136

 44.7485, 0.4769,
0.4760


 107.2169, 0.4472,
0.4523

 31.2594, 0.4876,
0.4835


 136.6547, 0.4388,
0.4452


 20.7964, 0.4987,
0.4902


 171.0407, 0.4313,
0.4387


 12.9753, 0.5071,
0.4929

 210.7592, 0.4245,
0.4327

 7.4115, 0.5111,
0.4889

 256.1947, 0.4183,
0.4273

 3.7208, 0.5171,
0.4829

 307.7315, 0.4127,

 1.5186, 0.5272,

0.4223

0.4728

365.7540, 0.4076,
0.4177

■ 0.3018, 0.5997,
0.4003

■ 0.0000, 0.0000,
0.0000

■ 61.6482, 0.4663,
0.4679

■ 61.6482, 0.4663,
0.4679

■ 61.6174, 0.4664,
0.4679

■ 64.3814, 0.4581,
0.4686

■ 67.3071, 0.4471,
0.4648

■ 70.4566, 0.4333,
0.4563

■ 73.8484, 0.4171,
0.4434

■ 77.4984, 0.3993,
0.4271

■ 81.4203, 0.3809,
0.4084

■ 85.6268, 0.3626,
0.3885

■ 90.1294, 0.3448,
0.3681

■ 94.9387, 0.3281,
0.3481

Harmonies

Analogous

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



61.6482, 0.5165, 0.3945



61.6482, 0.4663, 0.4679



61.6482, 0.3809, 0.5233

Triad

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



61.6482, 0.4663, 0.4679



61.6482, 0.1515, 0.2884



61.6482, 0.3125, 0.2088

Complementary

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



61.6482, 0.4663, 0.4679



10.1790, 0.1559, 0.0813

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.



61.6482, 0.2200, 0.1811



61.6482, 0.4663, 0.4679



61.6482, 0.1411, 0.2125

Square

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



61.6482, 0.4663, 0.4679



61.6482, 0.1999, 0.4074



61.6482, 0.1635, 0.1805



61.6482, 0.4234, 0.2592

Rectangle

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



61.6482, 0.4663, 0.4679



61.6482, 0.3162, 0.5255



61.6482, 0.1635, 0.1805



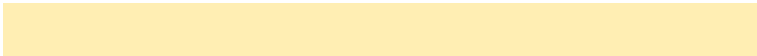
61.6482, 0.2780, 0.1968

Sweetspot

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



61.6500, 0.4663, 0.4679



85.5736, 0.3628, 0.3887



21.5903, 0.6022, 0.3092



17.9294, 0.3705, 0.3972



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.



61.6500, 0.4663, 0.4679



61.6174, 0.4664, 0.4679



82.0960, 0.3720, 0.5427



20.3605, 0.3275, 0.3473



32.4299, 0.4654, 0.4686



3.3189, 0.4591, 0.4737

Inverse Universe

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



10.1790, 0.1559, 0.0813



10.1529, 0.1559, 0.0811



8.4640, 0.1648, 0.0682



18.0369, 0.2979, 0.3100



5.4859, 0.1565, 0.0835



0.6886, 0.1621, 0.1034

Previews

White Background



This preview shows how the Yxy color 61.6482, 0.4663, 0.4679 looks on a white background.

Color Contrast Check

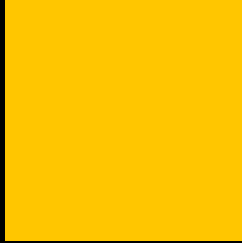
Large Text (above 18pt) WCAG AA × Fail

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 61.6482, 0.4663, 0.4679 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 61.6482, 0.4663, 0.4679

Background



This preview shows how black text looks on a background with the Yxy color 61.6482, 0.4663, 0.4679.



This preview shows how white text looks on a background with the Yxy color 61.6482, 0.4663, 0.4679.

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

61.6482, 0.4663, 0.4679

Protanopia

61.9783, 0.4396, 0.4866

Deuteranopia

61.7570, 0.4460, 0.4399



Tritanopia

61.3966, 0.3593, 0.3167

Trichromacy



Original Color

61.6482, 0.4663, 0.4679

Protanomaly

61.9040, 0.4491, 0.4801

Deuteranomaly

61.4228, 0.4582, 0.4556

Tritanomaly

60.4916, 0.4183, 0.3959

Monochromacy



Original Color

61.6482, 0.4663, 0.4679

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

55.0592, 0.3862, 0.4136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.6482, 0.4663, 0.4679 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, 198, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 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, 198, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 0) }
```

Border

The CSS property to change the border of an element to Yxy 61.6482, 0.4663, 0.4679 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, 198, 0) }
```

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

```
.border{ border-color:rgb(255, 198, 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, 198, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 61.6482, 0.4663, 0.4679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 0) }
```

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

```
.background{ background-color: rgb(255,  
198, 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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