

Converting Colors

$Yxy(60.0699, 0.4697, 0.4653)$

Have a look what the booklet for
Yxy(60.0699, 0.4697, 0.4653)
contains.

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Color

Yxy(60.2902, 0.4692, 0.4656)

Conversions

Conversions Part 1

Format	Color
Hex	FFC300
RGB	255, 195, 0
RGB Percent	100%, 76%, 0%
CMY	0.0000, 0.2353, 0.9989
CMYK	0.00, 0.24, 1.00, 0.00
HSL	46°, 100%, 50%
HSV	46°, 100%, 100%
XYZ	60.7564, 60.2902, 8.4427
YIQ	190.7100, 98.3550, -47.9250

Conversions

Conversions Part 2

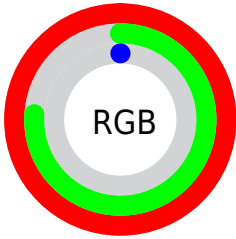
Format	Color
R _Y B	78, 255, 0
Decimal	16761600
CIE Lab	82.00, 8.32, 83.67
CIE LCh	82, 84.086, 84.323
Yxy	60.2902, 0.4692, 0.4656
Android (android.graphics.Color)	4294951680 (0xFFFFC300)
YUV	190.7100, -94.0200, 56.3823
Hunter-Lab	77.6468, 3.7893, 47.9060

Details

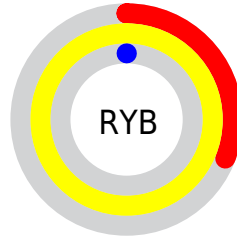
The Yxy color **60.2902, 0.4692, 0.4656** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **10.4836, 0.1565, 0.0834**, and the grayscale version is **52.4572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9102, 0.4065, 0.4776**, and **30.6835, 0.4754, 0.4607** is the 20% darker color. If you saturate the color by 10%, you get **60.2617, 0.4693, 0.4656**, and if you desaturate by 10%, it is **63.1123, 0.4606, 0.4665**.

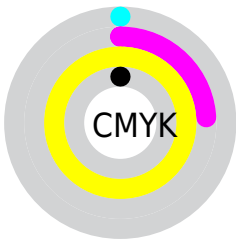
Distribution



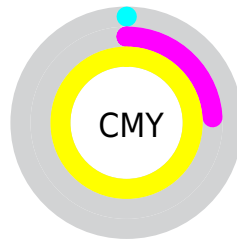
- Red (100%)
- Green (76%)
- Blue (0%)



- Red (31%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (24%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (24%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.2902, 0.4692, 0.4656 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 60.2902, 0.4692, 0.4656 by changing the saturation by 10% instead.

 60.2902, 0.4692,
0.4656


 60.2902, 0.4692,
0.4656


425.6666, 0.4042,
0.4124


 43.6526, 0.4802,
0.4733

 105.2505, 0.4495,
0.4504

 30.3975, 0.4914,
0.4804


 134.3420, 0.4409,
0.4435

 20.1405, 0.5032,
0.4867

 168.3536, 0.4332,
0.4371

 12.4972, 0.5118,
0.4882

 207.6697, 0.4262,
0.4313

 7.0832, 0.5169,
0.4831

 252.6746, 0.4198,
0.4259

 3.5142, 0.5244,
0.4756

 303.7528, 0.4141,

 1.4057, 0.5372,

0.4210

0.4628

361.2887, 0.4089,
0.4165

■ 0.2209, 0.6515,
0.3485

■ 0.0000, 0.0000,
0.0000

■ 60.2902, 0.4692,
0.4656

■ 60.2902, 0.4692,
0.4656

■ 60.2617, 0.4693,
0.4656

■ 63.1123, 0.4606,
0.4665

■ 66.1359, 0.4492,
0.4630

■ 69.3935, 0.4348,
0.4546

■ 72.9040, 0.4182,
0.4419

■ 76.6833, 0.4001,
0.4258

■ 80.7454, 0.3814,
0.4074

■ 85.1031, 0.3629,
0.3877

■ 89.7680, 0.3450,
0.3676

■ 94.7510, 0.3281,
0.3478

Harmonies

Analogous

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



60.2902, 0.5179, 0.3919



60.2902, 0.4692, 0.4656



60.2902, 0.3844, 0.5227

Triad

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



60.2902, 0.4692, 0.4656



60.2902, 0.1522, 0.2919



60.2902, 0.3086, 0.2071

Complementary

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



60.2902, 0.4692, 0.4656



10.4836, 0.1565, 0.0834

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.



60.2902, 0.2170, 0.1803



60.2902, 0.4692, 0.4656



60.2902, 0.1405, 0.2141

Square

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



60.2902, 0.4692, 0.4656



60.2902, 0.2020, 0.4122



60.2902, 0.1618, 0.1807



60.2902, 0.4200, 0.2569

Rectangle

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



60.2902, 0.4692, 0.4656



60.2902, 0.3197, 0.5271



60.2902, 0.1618, 0.1807



60.2902, 0.2744, 0.1953

Sweetspot

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



60.2932, 0.4692, 0.4656



85.0519, 0.3631, 0.3879



21.6360, 0.5972, 0.3064



17.8038, 0.3708, 0.3963



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.



60.2932, 0.4692, 0.4656



60.2621, 0.4693, 0.4656



82.6385, 0.3749, 0.5405



20.3227, 0.3275, 0.3471



31.7292, 0.4683, 0.4664



3.2561, 0.4615, 0.4718

Inverse Universe

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



10.4836, 0.1565, 0.0834



10.4583, 0.1565, 0.0832



8.3152, 0.1631, 0.0673



18.0721, 0.2979, 0.3103



5.6530, 0.1571, 0.0856



0.7094, 0.1628, 0.1060

Previews

White Background



This preview shows how the Yxy color 60.2902, 0.4692, 0.4656 looks on a white background.

Color Contrast Check

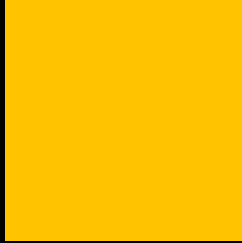
Large Text (above 18pt) WCAG AA × Fail

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 60.2902, 0.4692, 0.4656 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 60.2902, 0.4692, 0.4656

Background



This preview shows how black text looks on a background with the Yxy color 60.2902, 0.4692, 0.4656.



This preview shows how white text looks on a background with the Yxy color 60.2902, 0.4692, 0.4656.

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

60.2902, 0.4692, 0.4656

Protanopia

60.5147, 0.4390, 0.4871

Deuteranopia

60.1805, 0.4568, 0.4479



Tritanopia

60.4090, 0.3622, 0.3177

Trichromacy



Original Color

60.2902, 0.4692, 0.4656

Protanomaly

60.1415, 0.4503, 0.4791

Deuteranomaly

59.9901, 0.4642, 0.4573

Tritanomaly

59.1359, 0.4216, 0.3949

Monochromacy



Original Color

60.2902, 0.4692, 0.4656

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

53.4006, 0.3866, 0.4121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.2902, 0.4692, 0.4656 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, 195, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 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, 195, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 0) }
```

Border

The CSS property to change the border of an element to Yxy 60.2902, 0.4692, 0.4656 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, 195, 0) }
```

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

```
.border{ border-color:rgb(255, 195, 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, 195, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 60.2902, 0.4692, 0.4656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 0) }
```

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

```
.background{ background-color: rgb(255,  
195, 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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