

Converting Colors

$Yxy(68.5954, 0.4529, 0.4786)$

Have a look what the booklet for
Yxy(68.5954, 0.4529, 0.4786)
contains.

Yxy(68.3470, 0.4533, 0.4783)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.3470, 0.4533, 0.4783)

Conversions

Conversions Part 1

Format	Color
Hex	FFD400
RGB	255, 212, 0
RGB Percent	100%, 83%, 0%
CMY	0.0001, 0.1686, 1.0000
CMYK	0.00, 0.17, 1.00, 0.00
HSL	50°, 100%, 50%
HSV	50°, 100%, 100%
XYZ	64.7746, 68.3470, 9.7741
YIQ	200.6890, 93.6800, -56.8160

Conversions

Conversions Part 2

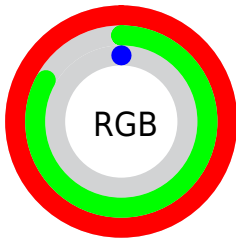
Format	Color
R _Y B	52, 255, 0
Decimal	16765952
CIE Lab	86.18, -0.42, 86.62
CIE LCh	86, 86.622, 90.280
Yxy	68.3470, 0.4533, 0.4783
Android (android.graphics.Color)	4294956032 (0xFFFFD400)
YUV	200.6890, -98.9397, 47.6307
Hunter-Lab	82.6722, -4.8197, 50.8609

Details

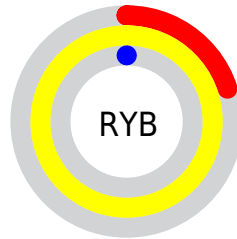
The Yxy color **68.3470, 0.4533, 0.4783** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **8.9421, 0.1535, 0.0726**, and the grayscale version is **58.7879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4846, 0.4031, 0.4785**, and **35.7912, 0.4556, 0.4765** is the 20% darker color. If you saturate the color by 10%, you get **68.3506, 0.4533, 0.4783**, and if you desaturate by 10%, it is **70.5993, 0.4470, 0.4779**.

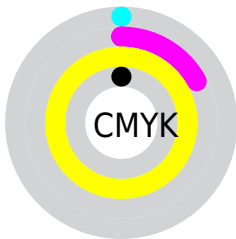
Distribution



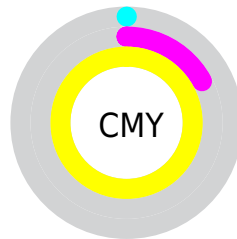
- Red (100%)
- Green (83%)
- Blue (0%)



- Red (20%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (17%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (17%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.3470, 0.4533, 0.4783 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 68.3470, 0.4533, 0.4783 by changing the saturation by 10% instead.


 68.3470, 0.4533,
0.4783


 68.3470, 0.4533,
0.4783


454.7245, 0.3975,
0.4188


 50.1801, 0.4622,
0.4878


 116.8484, 0.4369,
0.4607

 35.5565, 0.4709,
0.4973


 147.9517, 0.4296,
0.4530

 24.0919, 0.4790,
0.5060


 184.1359, 0.4229,
0.4458

 15.4018, 0.4861,
0.5139

 225.7854, 0.4168,
0.4394

 9.1019, 0.4859,
0.5141

 273.2846, 0.4113,
0.4335

 4.8077, 0.4856,
0.5144

 327.0180, 0.4063,

 2.1349, 0.4850,

0.4282

0.5150

387.3698, 0.4017,
0.4233

■ 0.6841, 0.4833,
0.5167

■ 0.0000, 0.0000,
0.0000

■ 68.3470, 0.4533,
0.4783

■ 68.3470, 0.4533,
0.4783

■ 68.3506, 0.4533,
0.4783

■ 70.5993, 0.4470,
0.4779

■ 72.9997, 0.4381,
0.4733

■ 75.5813, 0.4264,
0.4640

■ 78.3620, 0.4121,
0.4504

■ 81.3570, 0.3961,
0.4333

■ 84.5796, 0.3790,
0.4137

■ 88.0419, 0.3616,
0.3927

■ 91.7548, 0.3445,
0.3711

■ 95.7284, 0.3281,
0.3497

Harmonies

Analogous

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



68.3470, 0.5105, 0.4063



68.3470, 0.4533, 0.4783



68.3470, 0.3653, 0.5257

Triad

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



68.3470, 0.4533, 0.4783



68.3470, 0.1486, 0.2732



68.3470, 0.3302, 0.2164

Complementary

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



68.3470, 0.4533, 0.4783



8.9421, 0.1535, 0.0726

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.



68.3470, 0.2333, 0.1848



68.3470, 0.4533, 0.4783



68.3470, 0.1437, 0.2056

Square

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



68.3470, 0.4533, 0.4783



68.3470, 0.1903, 0.3862



68.3470, 0.1712, 0.1796



68.3470, 0.4391, 0.2696

Rectangle

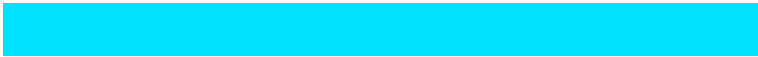
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.3470, 0.4533, 0.4783



68.3470, 0.3007, 0.5175



68.3470, 0.1712, 0.1796



68.3470, 0.2947, 0.2032

Sweetspot

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



68.3506, 0.4533, 0.4783



88.0663, 0.3616, 0.3927



21.4573, 0.6156, 0.3165



18.5309, 0.3690, 0.4016



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.



68.3506, 0.4533, 0.4783



68.3694, 0.4533, 0.4783



80.5251, 0.3635, 0.5496



20.5392, 0.3273, 0.3486



35.9167, 0.4526, 0.4788



3.6289, 0.4482, 0.4823

Inverse Universe

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



8.9421, 0.1535, 0.0726



8.9445, 0.1535, 0.0726



8.9559, 0.1706, 0.0713



17.8721, 0.2979, 0.3086



4.8173, 0.1541, 0.0746



0.6007, 0.1590, 0.0923

Previews

White Background



This preview shows how the Yxy color 68.3470, 0.4533, 0.4783 looks on a white background.

Color Contrast Check

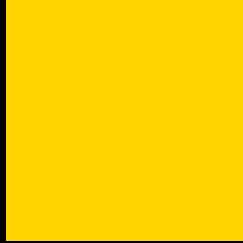
Large Text (above 18pt) WCAG AA × Fail

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 68.3470, 0.4533, 0.4783 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 68.3470, 0.4533, 0.4783

Background



This preview shows how black text looks on a background with the Yxy color 68.3470, 0.4533, 0.4783.



This preview shows how white text looks on a background with the Yxy color 68.3470, 0.4533, 0.4783.

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

68.3470, 0.4533, 0.4783

Protanopia

68.1861, 0.4400, 0.4873

Deuteranopia

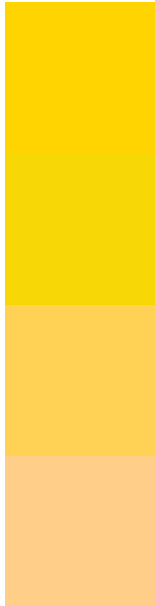
68.0652, 0.4053, 0.4055



Tritanopia

68.3052, 0.3461, 0.3179

Trichromacy



Original Color

68.3470, 0.4533, 0.4783

Protanomaly

68.3882, 0.4442, 0.4845

Deuteranomaly

67.5168, 0.4339, 0.4461

Tritanomaly

67.1802, 0.4042, 0.4008

Monochromacy



Original Color

68.3470, 0.4533, 0.4783

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

60.5933, 0.3822, 0.4169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3470, 0.4533, 0.4783 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, 212, 0)` looks like.

```
.text, #text, p{  
  color:rgb(255, 212, 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, 212, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 0) }
```

Border

The CSS property to change the border of an element to Yxy 68.3470, 0.4533, 0.4783 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, 212, 0) }
```

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

```
.border{ border-color:rgb(255, 212, 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, 212, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3470, 0.4533, 0.4783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 0) }
```

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

```
.background{ background-color: rgb(255,  
212, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor