

Converting Colors

$Yxy(62.6393, 0.4561, 0.4579)$

Have a look what the booklet for
Yxy(62.6393, 0.4561, 0.4579)
contains.

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Color

Yxy(62.7988, 0.4556, 0.4580)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFC832 |
| RGB | 255, 200, 50 |
| RGB Percent | 100%, 78%, 20% |
| CMY | 0.0000, 0.2157, 0.8039 |
| CMYK | 0.00, 0.22, 0.80, 0.00 |
| HSL | 44°, 100%, 60% |
| HSV | 44°, 80%, 100% |
| XYZ | 62.4697, 62.7988, 11.8468 |
| YIQ | 199.3450, 80.9300, -34.9900 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 125, 255, 50 |
| Decimal | 16762930 |
| CIE _{Lab} | 83.34, 6.55, 75.79 |
| CIE _{LCh} | 83, 76.073, 85.061 |
| Yxy | 62.7988, 0.4556, 0.4580 |
| Android (android.graphics.Color) | 4294953010 (0xFFFFC832) |
| YUV | 199.3450, -73.6271, 48.8094 |
| Hunter-Lab | 79.2457, 2.0324, 46.6085 |

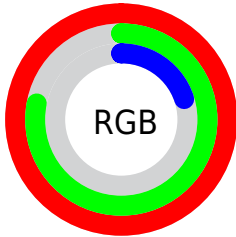
Details

The Yxy color **62.7988, 0.4556, 0.4580** is a light color, and the websafe version is hex **FFCC33**.

The color can be described as light washed yellow. A complement of this color would be **18.0012, 0.1754, 0.1293**, and the grayscale version is **57.7610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8841, 0.3948, 0.4647**, and **31.8952, 0.4703, 0.4648** is the 20% darker color. If you saturate the color by 10%, you get **59.5413, 0.4682, 0.4607**, and if you desaturate by 10%, it is **66.3266, 0.4400, 0.4504**.

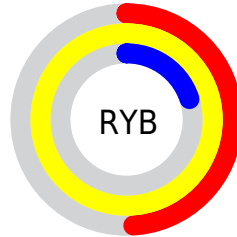
Distribution



Red (100%)

Green (78%)

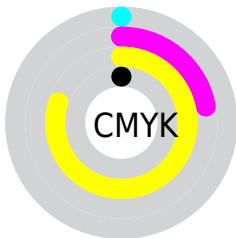
Blue (20%)



Red (49%)

Yellow (100%)

Blue (20%)

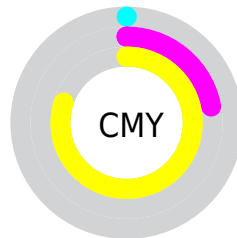


Cyan (0%)

Magenta (22%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (22%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.7988, 0.4556, 0.4580 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 62.7988, 0.4556, 0.4580 by changing the saturation by 10% instead.


 62.7988, 0.4556,
0.4580


 62.7988, 0.4556,
0.4580


434.8389, 0.3947,
0.4054

 45.6785, 0.4667,
0.4667


 108.8792, 0.4365,
0.4422

 31.9922, 0.4785,
0.4756


 138.6080, 0.4284,
0.4352


 21.3555, 0.4906,
0.4836


 173.3085, 0.4212,
0.4290

 13.3841, 0.5063,
0.4937

 213.3650, 0.4147,
0.4233

 7.6936, 0.5101,
0.4899

 259.1619, 0.4089,
0.4182

 3.8995, 0.5157,
0.4843

311.0835, 0.4037,

 1.6175, 0.5252,

0.4135

0.4748

369.5144, 0.3990,
0.4093

■ 0.3694, 0.5804,
0.4196

■ 0.0000, 0.0000,
0.0000

■ 62.7988, 0.4556,
0.4580

■ 62.7988, 0.4556,
0.4580

■ 59.5413, 0.4682,
0.4607

■ 66.3266, 0.4400,
0.4504

■ 56.6273, 0.4776,
0.4590

■ 70.1350, 0.4223,
0.4384

■ 74.2437, 0.4032,
0.4230

■ 78.6675, 0.3837,
0.4053

83.4197, 0.3645,
0.3863

88.5126, 0.3462,
0.3670

93.9575, 0.3290,
0.3480

99.7651, 0.3133,
0.3297

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



62.7988, 0.4983, 0.3920



62.7988, 0.4556, 0.4580



62.7988, 0.3788, 0.5040

Triad

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



62.7988, 0.4556, 0.4580



62.7988, 0.1657, 0.2952



62.7988, 0.3122, 0.2184

Complementary

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



62.7988, 0.4556, 0.4580



18.0012, 0.1754, 0.1293

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.



62.7988, 0.2279, 0.1929



62.7988, 0.4556, 0.4580



62.7988, 0.1547, 0.2246

Square

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



62.7988, 0.4556, 0.4580



62.7988, 0.2121, 0.4002



62.7988, 0.1753, 0.1932



62.7988, 0.4113, 0.2654

Rectangle

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



62.7988, 0.4556, 0.4580



62.7988, 0.3196, 0.5033



62.7988, 0.1753, 0.1932



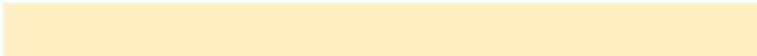
62.7988, 0.2811, 0.2073

Sweetspot

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



62.8019, 0.4556, 0.4580



86.6348, 0.3527, 0.3740



24.6262, 0.5225, 0.2853



18.1561, 0.3592, 0.3808



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.



62.8019, 0.4556, 0.4580



57.8195, 0.4739, 0.4600



85.5366, 0.3827, 0.5190



20.2178, 0.3276, 0.3463



29.8489, 0.4764, 0.4599



3.0866, 0.4684, 0.4663

Inverse Universe

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



18.0012, 0.1754, 0.1293



12.4369, 0.1607, 0.0963



11.9039, 0.1815, 0.0906



18.1703, 0.2979, 0.3111



6.1670, 0.1590, 0.0922



0.7714, 0.1649, 0.1135

Previews

White Background



This preview shows how the Yxy color 62.7988, 0.4556, 0.4580 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 62.7988, 0.4556, 0.4580 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 62.7988, 0.4556, 0.4580

Background



This preview shows how black text looks on a background with the Yxy color 62.7988, 0.4556, 0.4580.



This preview shows how white text looks on a background with the Yxy color 62.7988, 0.4556, 0.4580.

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

62.7988, 0.4556, 0.4580

Protanopia

62.8521, 0.4316, 0.4750

Deuteranopia

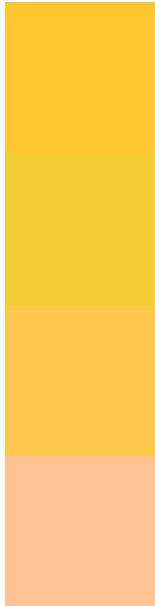
62.9150, 0.4363, 0.4310



Tritanopia

62.7859, 0.3569, 0.3177

Trichromacy



Original Color

62.7988, 0.4556, 0.4580

Protanomaly

62.7789, 0.4408, 0.4686

Deuteranomaly

62.6569, 0.4450, 0.4423

Tritanomaly

61.9502, 0.4016, 0.3781

Monochromacy



Original Color

62.7988, 0.4556, 0.4580

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

57.9513, 0.3704, 0.3921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.7988, 0.4556, 0.4580 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, 200, 50)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 50)  
}
```

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, 200, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 50) }
```

Border

The CSS property to change the border of an element to Yxy 62.7988, 0.4556, 0.4580 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, 200, 50) }
```

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

```
.border{ border-color:rgb(255, 200, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 200, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 50);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 62.7988, 0.4556, 0.4580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 50) }
```

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

```
.background{ background-color: rgb(255,  
200, 50) }
```

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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