

Converting Colors

Yxy(61.9417, 0.4521, 0.4493)

Have a look what the booklet for
Yxy(61.9417, 0.4521, 0.4493)
contains.

| | |
|---|----|
| Yxy(62.0183, 0.4522, 0.4497) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(62.0183, 0.4522, 0.4497)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFC640 |
| RGB | 255, 198, 64 |
| RGB Percent | 100%, 78%, 25% |
| CMY | 0.0000, 0.2235, 0.7491 |
| CMYK | 0.00, 0.22, 0.75, 0.00 |
| HSL | 42°, 100%, 63% |
| HSV | 42°, 75%, 100% |
| XYZ | 62.3631, 62.0183, 13.5290 |
| YIQ | 199.7670, 76.9860, -29.5900 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|---|
| RYB | 145, 255, 64 |
| Decimal | 16762432 |
| CIELab | 82.92, 8.08, 70.76 |
| CIELCh | 83, 71.217, 83.482 |
| Yxy | 62.0183, 0.4522, 0.4497 |
| Android (android.graphics.Color) | 4294952512 (0xFFFFC640) |
| YUV | 199.7670, -66.9331, 48.4393 |
| Hunter-Lab | 78.7517, 3.5378, 44.9406 |

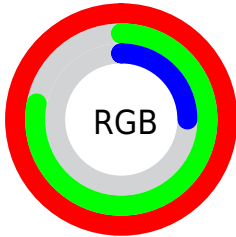
Details

The Yxy color **62.0183, 0.4522, 0.4497** 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 **21.9759, 0.1844, 0.1501**, and the grayscale version is **57.9897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4997, 0.3903, 0.4557**, and **31.7201, 0.4725, 0.4630** is the 20% darker color. If you saturate the color by 10%, you get **58.4001, 0.4678, 0.4546**, and if you desaturate by 10%, it is **65.9440, 0.4341, 0.4401**.

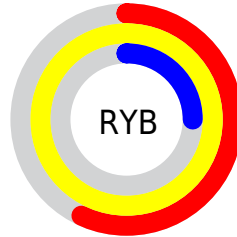
Distribution



Red (100%)

Green (78%)

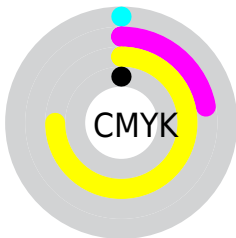
Blue (25%)



Red (57%)

Yellow (100%)

Blue (25%)

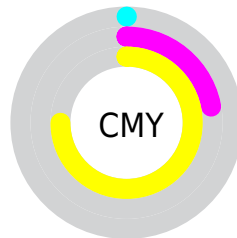


Cyan (0%)

Magenta (22%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.0183, 0.4522, 0.4497 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 62.0183, 0.4522, 0.4497 by changing the saturation by 10% instead.


 62.0183, 0.4522,
0.4497

 62.0183, 0.4522,
0.4497


431.9978, 0.3914,
0.3998


 45.0475, 0.4638,
0.4583


 107.7520, 0.4327,
0.4344

 31.4948, 0.4765,
0.4672

 137.2836, 0.4246,
0.4278


 20.9759, 0.4900,
0.4757


 171.7710, 0.4174,
0.4219

 13.1064, 0.5065,
0.4851

 211.5985, 0.4110,
0.4165

 7.5019, 0.5155,
0.4845

 257.1506, 0.4053,
0.4117

 3.7779, 0.5226,
0.4774


308.8116, 0.4002,

 1.5501, 0.5344,


0.4073


366.9658, 0.3956,
0.4034


0.4656


 0.3236, 0.6094,
0.3906

 0.0000, 0.0000,
0.0000


 62.0183, 0.4522,
0.4497


 62.0183, 0.4522,
0.4497


 58.4001, 0.4678,
0.4546


 65.9440, 0.4341,
0.4401

 55.0669, 0.4802,
0.4543

 70.1954, 0.4144,
0.4266

 53.4658, 0.4855,
0.4527

 74.7888, 0.3941,
0.4104

 79.7387, 0.3740,
0.3925

85.0585, 0.3548,
0.3739

90.7606, 0.3368,
0.3554

96.8566, 0.3203,
0.3375

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



62.0183, 0.4891, 0.3872



62.0183, 0.4522, 0.4497



62.0183, 0.3810, 0.4929

Triad

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



62.0183, 0.4522, 0.4497



62.0183, 0.1746, 0.3026



62.0183, 0.3078, 0.2219

Complementary

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



62.0183, 0.4522, 0.4497



21.9759, 0.1844, 0.1501

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.



62.0183, 0.2291, 0.1987



62.0183, 0.4522, 0.4497



62.0183, 0.1619, 0.2332

Square

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



62.0183, 0.4522, 0.4497



62.0183, 0.2212, 0.4012



62.0183, 0.1802, 0.2008



62.0183, 0.4009, 0.2661

Rectangle

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



62.0183, 0.4522, 0.4497



62.0183, 0.3250, 0.4932



62.0183, 0.1802, 0.2008



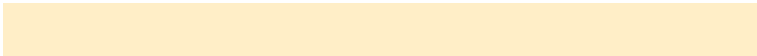
62.0183, 0.2787, 0.2116

Sweetspot

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



62.0184, 0.4522, 0.4497



86.6801, 0.3494, 0.3685



26.3106, 0.4969, 0.2809



18.2299, 0.3544, 0.3735



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.



62.0184, 0.4522, 0.4497



56.6709, 0.4745, 0.4551



86.6099, 0.3838, 0.5096



20.1217, 0.3277, 0.3456



28.2104, 0.4842, 0.4538



2.9378, 0.4750, 0.4611

Inverse Universe

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



21.9759, 0.1844, 0.1501



15.4344, 0.1673, 0.1149



13.7183, 0.1880, 0.1016



18.2611, 0.2979, 0.3118



6.7052, 0.1608, 0.0990



0.8338, 0.1669, 0.1209

Previews

White Background



This preview shows how the Yxy color 62.0183, 0.4522, 0.4497 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 62.0183, 0.4522, 0.4497 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 62.0183, 0.4522, 0.4497

Background



This preview shows how black text looks on a background with the Yxy color 62.0183, 0.4522, 0.4497.



This preview shows how white text looks on a background with the Yxy color 62.0183, 0.4522, 0.4497.

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

62.0183, 0.4522, 0.4497

Protanopia

62.0079, 0.4248, 0.4683

Deuteranopia

61.9138, 0.4406, 0.4330



Tritanopia

61.8722, 0.3582, 0.3167

Trichromacy



Original Color

62.0183, 0.4522, 0.4497

Protanomaly

62.0927, 0.4349, 0.4617

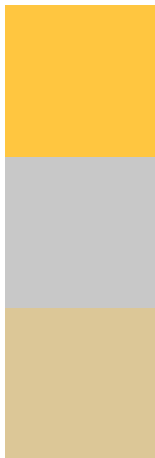
Deuteranomaly

61.7717, 0.4455, 0.4392

Tritanomaly

61.1936, 0.3992, 0.3720

Monochromacy



Original Color

62.0183, 0.4522, 0.4497

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

58.2969, 0.3667, 0.3850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.0183, 0.4522, 0.4497 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 64) }
```

Border

The CSS property to change the border of an element to Yxy 62.0183, 0.4522, 0.4497 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, 64) }
```

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

```
.border{ border-color:rgb(255, 198, 64) }
```

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, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 62.0183, 0.4522, 0.4497 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, 64) }
```

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

```
.background{ background-color: rgb(255,  
198, 64) }
```

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