

Converting Colors

$Yxy(60.5244, 0.4539, 0.4778)$

Have a look what the booklet for
Yxy(60.5244, 0.4539, 0.4778)
contains.

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Color

Yxy(60.6505, 0.4534, 0.4782)

Conversions

Conversions Part 1

Format	Color
Hex	F2C900
RGB	242, 201, 0
RGB Percent	95%, 79%, 0%
CMY	0.0510, 0.2117, 1.0000
CMYK	0.00, 0.17, 1.00, 0.05
HSL	50°, 100%, 47%
HSV	50°, 100%, 95%
XYZ	57.5051, 60.6505, 8.6752
YIQ	190.3450, 88.9570, -53.8190

Conversions

Conversions Part 2

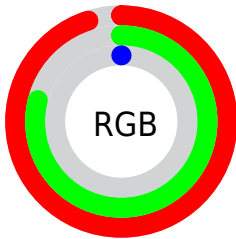
Format	Color
R_{YB}	49, 242, 0
Decimal	15911168
CIE Lab	82.19, -0.35, 83.23
CIE LCh	82, 83.234, 90.238
Yxy	60.6505, 0.4534, 0.4782
Android (android.graphics.Color)	4294101248 (0xFFFF2C900)
YUV	190.3450, -93.8401, 45.3014
Hunter-Lab	77.8784, -4.4836, 47.9103

Details

The Yxy color **60.6505, 0.4534, 0.4782** 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 **7.9966, 0.1536, 0.0730**, and the grayscale version is **52.2179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4519, 0.4038, 0.4797**, and **31.0036, 0.4556, 0.4765** is the 20% darker color. If you saturate the color by 10%, you get **60.6533, 0.4534, 0.4782**, and if you desaturate by 10%, it is **62.6573, 0.4470, 0.4777**.

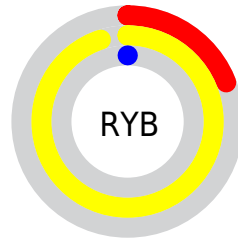
Distribution



Red (95%)

Green (79%)

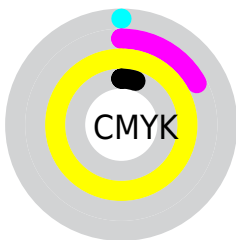
Blue (0%)



Red (19%)

Yellow (95%)

Blue (0%)

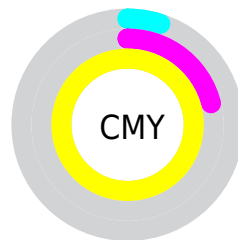


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (21%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.6505, 0.4534, 0.4782 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 60.6505, 0.4534, 0.4782 by changing the saturation by 10% instead.


 60.6505, 0.4534,
0.4782


 60.6505, 0.4534,
0.4782


426.9914, 0.3961,
0.4172

 43.9432, 0.4626,
0.4881


 105.7727, 0.4363,
0.4600


 30.6258, 0.4718,
0.4979


 134.9564, 0.4288,
0.4520


 20.3141, 0.4807,
0.5075


 169.0677, 0.4219,
0.4447

 12.6236, 0.4863,
0.5137

 208.4909, 0.4157,
0.4381

 7.1699, 0.4861,
0.5139

 253.6105, 0.4101,
0.4321

 3.5686, 0.4857,
0.5143

 304.8108, 0.4050,

 1.4353, 0.4852,

0.4267

0.5148

362.4763, 0.4003,
0.4217

■ 0.2425, 0.4780,
0.5220

■ 0.0000, 0.0000,
0.0000

■ 60.6505, 0.4534,
0.4782

■ 60.6505, 0.4534,
0.4782

■ 60.6533, 0.4534,
0.4782

■ 62.6573, 0.4470,
0.4777

■ 64.7958, 0.4381,
0.4730

■ 67.0951, 0.4262,
0.4637

■ 69.5712, 0.4120,
0.4500

■ 72.2374, 0.3959,
0.4330

■ 75.1053, 0.3789,
0.4134

■ 78.1857, 0.3615,
0.3924

■ 81.4880, 0.3444,
0.3709

■ 85.0213, 0.3281,
0.3496

Harmonies

Analogous

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



60.6505, 0.5105, 0.4062



60.6505, 0.4534, 0.4782



60.6505, 0.3654, 0.5257

Triad

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



60.6505, 0.4534, 0.4782



60.6505, 0.1486, 0.2734



60.6505, 0.3300, 0.2164

Complementary

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



60.6505, 0.4534, 0.4782



7.9966, 0.1536, 0.0730

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.



60.6505, 0.2332, 0.1848



60.6505, 0.4534, 0.4782



60.6505, 0.1437, 0.2057

Square

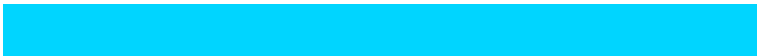
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



60.6505, 0.4534, 0.4782



60.6505, 0.1904, 0.3864



60.6505, 0.1712, 0.1796



60.6505, 0.4389, 0.2695

Rectangle

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



60.6505, 0.4534, 0.4782



60.6505, 0.3009, 0.5176



60.6505, 0.1712, 0.1796



60.6505, 0.2945, 0.2031

Sweetspot

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



60.6535, 0.4534, 0.4782



88.0229, 0.3617, 0.3926



19.0622, 0.6151, 0.3162



18.5204, 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.



60.6535, 0.4534, 0.4782



68.2480, 0.4535, 0.4781



71.5441, 0.3636, 0.5495



17.9766, 0.3272, 0.3485



32.7593, 0.4527, 0.4787



2.8445, 0.4476, 0.4828

Inverse Universe

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



7.9966, 0.1536, 0.0730



8.9622, 0.1536, 0.0727



7.9736, 0.1708, 0.0715



15.6614, 0.2980, 0.3088



4.4293, 0.1542, 0.0750



0.4928, 0.1601, 0.0963

Previews

White Background



This preview shows how the Yxy color 60.6505, 0.4534, 0.4782 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 60.6505, 0.4534, 0.4782 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 60.6505, 0.4534, 0.4782

Background



This preview shows how black text looks on a background with the Yxy color 60.6505, 0.4534, 0.4782.



This preview shows how white text looks on a background with the Yxy color 60.6505, 0.4534, 0.4782.

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

60.6505, 0.4534, 0.4782

Protanopia

60.6713, 0.4401, 0.4870

Deuteranopia

60.6836, 0.4538, 0.4461



Tritanopia

60.6403, 0.3570, 0.3145

Trichromacy



Original Color

60.6505, 0.4534, 0.4782

Protanomaly

60.8610, 0.4445, 0.4841

Deuteranomaly

60.4237, 0.4568, 0.4615

Tritanomaly

59.3975, 0.4125, 0.3964

Monochromacy



Original Color

60.6505, 0.4534, 0.4782

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

53.5194, 0.3819, 0.4168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.6505, 0.4534, 0.4782 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(242, 201, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 201, 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(242, 201, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 201, 0) }
```

Border

The CSS property to change the border of an element to Yxy 60.6505, 0.4534, 0.4782 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(242, 201, 0) }
```

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

```
.border{ border-color:rgb(242, 201, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 201, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 201, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 201, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 201,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 60.6505, 0.4534, 0.4782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 201, 0) }
```

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

```
.background{ background-color: rgb(242,  
201, 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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