

# Converting Colors

Yxy(60.1046, 0.4602, 0.4523)

Have a look what the booklet for  
Yxy(60.1046, 0.4602, 0.4523)  
contains.

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# Color

**Yxy(60.0915, 0.4602, 0.4523)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC234
RGB	255, 194, 52
RGB Percent	100%, 76%, 20%
CMY	0.0002, 0.2391, 0.7961
CMYK	0.00, 0.24, 0.80, 0.00
HSL	42°, 100%, 60%
HSV	42°, 80%, 100%
XYZ	61.1411, 60.0915, 11.6250
YIQ	196.0510, 81.9380, -31.2300

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	139, 255, 52
Decimal	16761396
CIE <sub>Lab</sub>	81.89, 9.69, 73.89
CIE <sub>LCh</sub>	82, 74.525, 82.529
Yxy	60.0915, 0.4602, 0.4523
Android (android.graphics.Color)	4294951476 (0xFFFFC234)
YUV	196.0510, -71.0171, 51.6983
Hunter-Lab	77.5187, 5.1300, 45.3717

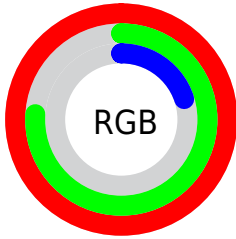
# Details

The Yxy color **60.0915, 0.4602, 0.4523** is a light color, and the websafe version is hex **FFCC33**.

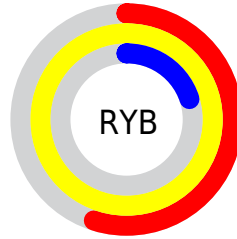
The color can be described as light washed yellow. A complement of this color would be **19.7449, 0.1784, 0.1389**, and the grayscale version is **55.6326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7570, 0.3969, 0.4604**, and **30.3872, 0.4767, 0.4597** is the 20% darker color. If you saturate the color by 10%, you get **56.6026, 0.4744, 0.4547**, and if you desaturate by 10%, it is **63.8858, 0.4431, 0.4449**.

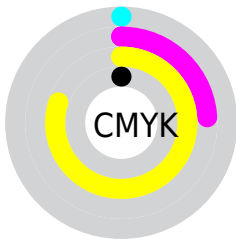
# Distribution



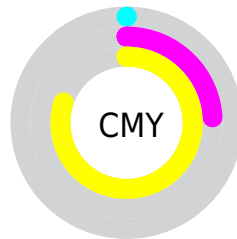
- Red (100%)
- Green (76%)
- Blue (20%)



- Red (55%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (24%)
- Yellow (80%)
- Black (0%)




- Cyan (0%)
- Magenta (24%)
- Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.0915, 0.4602, 0.4523 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 60.0915, 0.4602, 0.4523 by changing the saturation by 10% instead.





 60.0915, 0.4602,  
0.4523


 60.0915, 0.4602,  
0.4523


424.9350, 0.3963,  
0.4023


 43.4924, 0.4721,  
0.4605

 104.9624, 0.4399,  
0.4373


 30.2716, 0.4850,  
0.4686


 134.0030, 0.4314,  
0.4308


 20.0449, 0.4984,  
0.4756


 167.9595, 0.4238,  
0.4248

 12.4277, 0.5159,  
0.4841

 207.2163, 0.4171,  
0.4194

 7.0356, 0.5217,  
0.4783

 252.1579, 0.4110,  
0.4145

 3.4844, 0.5305,  
0.4695

303.1686, 0.4056,

 1.3895, 0.5453,

0.4100

0.4547

360.6328, 0.4007,  
0.4060

0.2090, 0.6756,  
0.3244

0.0000, 0.0000,  
0.0000

60.0915, 0.4602,  
0.4523

60.0915, 0.4602,  
0.4523

56.6026, 0.4744,  
0.4547

63.8858, 0.4431,  
0.4449

53.3800, 0.4856,  
0.4524

67.9966, 0.4239,  
0.4331

53.2563, 0.4860,  
0.4523

72.4440, 0.4037,  
0.4180

77.2434, 0.3834,  
0.4008

82.4087, 0.3637,  
0.3825

87.9527, 0.3451,  
0.3639

93.8875, 0.3278,  
0.3457

99.9925, 0.3127,  
0.3290

# Harmonies

## Analogous

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



60.0915, 0.4986, 0.3862



60.0915, 0.4602, 0.4523



60.0915, 0.3858, 0.5009

# Triad

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



60.0915, 0.4602, 0.4523



60.0915, 0.1689, 0.3033



60.0915, 0.3042, 0.2159

# Complementary

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



60.0915, 0.4602, 0.4523



19.7449, 0.1784, 0.1389

# 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.



60.0915, 0.2227, 0.1925



60.0915, 0.4602, 0.4523



60.0915, 0.1551, 0.2295

# Square

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



60.0915, 0.4602, 0.4523



60.0915, 0.2182, 0.4089



60.0915, 0.1730, 0.1952



60.0915, 0.4027, 0.2611



# Rectangle

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



60.0915, 0.4602, 0.4523



60.0915, 0.3273, 0.5042



60.0915, 0.1730, 0.1952



60.0915, 0.2738, 0.2054

# Sweetspot

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



60.0945, 0.4602, 0.4523



85.4974, 0.3531, 0.3721



24.9763, 0.5091, 0.2787



17.8805, 0.3598, 0.3787



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.



60.0945, 0.4602, 0.4523



54.5335, 0.4818, 0.4536



86.6101, 0.3873, 0.5145



20.1158, 0.3277, 0.3456



28.1113, 0.4847, 0.4534



2.9287, 0.4754, 0.4607



# Inverse Universe

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



19.7449, 0.1784, 0.1389



13.5801, 0.1628, 0.1037



11.8083, 0.1789, 0.0902



18.2668, 0.2979, 0.3119



6.7408, 0.1610, 0.0994



0.8379, 0.1670, 0.1213



# Previews

## White Background



This preview shows how the Yxy color 60.0915, 0.4602, 0.4523 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 60.0915, 0.4602, 0.4523 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 60.0915, 0.4602, 0.4523**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.0915, 0.4602, 0.4523.



This preview shows how white text looks on a background with the Yxy color 60.0915, 0.4602, 0.4523.

# 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

60.0915, 0.4602, 0.4523

### Protanopia

60.1196, 0.4297, 0.4732

### Deuteranopia

60.2025, 0.4560, 0.4469



## Tritanopia

59.9434, 0.3633, 0.3177

# Trichromacy



**Original Color**

60.0915, 0.4602, 0.4523

**Protanomaly**

59.7520, 0.4407, 0.4655

**Deuteranomaly**

60.1593, 0.4576, 0.4490

**Tritanomaly**

59.2401, 0.4069, 0.3751

# Monochromacy



**Original Color**

60.0915, 0.4602, 0.4523

**Achromatopsia**

55.2011, 0.3127, 0.3290

**Achromatomaly**

55.7955, 0.3710, 0.3893

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.0915, 0.4602, 0.4523 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, 194, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 52)  
}
```

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, 194, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 52) }
```

## Border

The CSS property to change the border of an element to Yxy 60.0915, 0.4602, 0.4523 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, 194, 52) }
```

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

```
.border{ border-color:rgb(255, 194, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 194, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 52);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
52) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.0915, 0.4602, 0.4523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 52) }
```

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

```
.background{ background-color: rgb(255,  
194, 52) }
```

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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