

Converting Colors

$Yxy(64.3473, 0.4524, 0.4602)$

Have a look what the booklet for
Yxy(64.3473, 0.4524, 0.4602)
contains.

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Color

Yxy(64.2109, 0.4527, 0.4600)

Conversions

Conversions Part 1

Format	Color
Hex	FFCB33
RGB	255, 203, 51
RGB Percent	100%, 80%, 20%
CMY	0.0000, 0.2039, 0.8003
CMYK	0.00, 0.20, 0.80, 0.00
HSL	45°, 100%, 60%
HSV	45°, 80%, 100%
XYZ	63.1919, 64.2109, 12.1861
YIQ	201.2200, 79.7840, -36.2480

Conversions

Conversions Part 2

Format	Color
RYB	121, 255, 51
Decimal	16763699
CIELab	84.08, 5.03, 76.16
CIElCh	84, 76.327, 86.219
Yxy	64.2109, 0.4527, 0.4600
Android (android.graphics.Color)	4294953779 (0xFFFFCB33)
YUV	201.2200, -74.0585, 47.1651
Hunter-Lab	80.1317, 0.5347, 47.0756

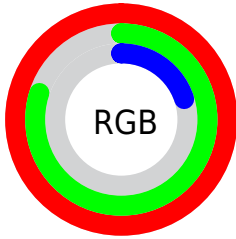
Details

The Yxy color **64.2109, 0.4527, 0.4600** is a light color, and the websafe version is hex **FFCC33**.

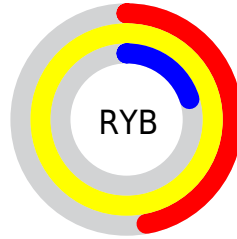
The color can be described as light washed yellow. A complement of this color would be **17.6056, 0.1750, 0.1270**, and the grayscale version is **58.9809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9058, 0.3944, 0.4640**, and **32.9642, 0.4675, 0.4670** is the 20% darker color. If you saturate the color by 10%, you get **61.0431, 0.4649, 0.4631**, and if you desaturate by 10%, it is **67.6366, 0.4376, 0.4520**.

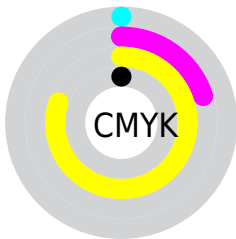
Distribution



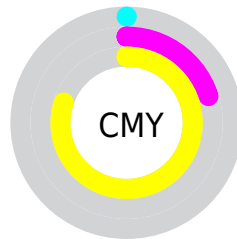
- Red (100%)
- Green (80%)
- Blue (20%)



- Red (47%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (20%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2109, 0.4527, 0.4600 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 64.2109, 0.4527, 0.4600 by changing the saturation by 10% instead.

 64.2109, 0.4527,
0.4600

 64.2109, 0.4527,
0.4600

439.9508, 0.3934,
0.4064


 46.8215, 0.4634,
0.4690


 110.9146, 0.4342,
0.4438

 32.8946, 0.4748,
0.4783


 140.9977, 0.4263,
0.4367

 22.0457, 0.4863,
0.4869


 176.0809, 0.4193,
0.4303

 13.8905, 0.5017,
0.4983

 216.5484, 0.4130,
0.4246

 8.0445, 0.5046,
0.4954

 262.7848, 0.4074,
0.4193

 4.1235, 0.5088,
0.4912

315.1744, 0.4023,

 1.7429, 0.5159,

0.4146

0.4841

374.1016, 0.3976,
0.4103

0.4512, 0.5501,
0.4499

0.0000, 0.0000,
0.0000

64.2109, 0.4527,
0.4600

64.2109, 0.4527,
0.4600

61.0431, 0.4649,
0.4631

67.6366, 0.4376,
0.4520


58.1016, 0.4741,
0.4617


71.3300, 0.4203,
0.4396

75.3106, 0.4016,
0.4239

79.5926, 0.3824,
0.4059

 84.1892, 0.3635,
0.3866

 89.1123, 0.3454,
0.3669

 94.3731, 0.3284,
0.3476

99.9820, 0.3128,
0.3291

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



64.2109, 0.4969, 0.3945



64.2109, 0.4527, 0.4600



64.2109, 0.3754, 0.5042

Triad

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



64.2109, 0.4527, 0.4600



64.2109, 0.1652, 0.2919



64.2109, 0.3159, 0.2202

Complementary

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



64.2109, 0.4527, 0.4600



17.6056, 0.1750, 0.1270

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.



64.2109, 0.2309, 0.1938



64.2109, 0.4527, 0.4600



64.2109, 0.1554, 0.2231

Square

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



64.2109, 0.4527, 0.4600



64.2109, 0.2100, 0.3957



64.2109, 0.1772, 0.1931



64.2109, 0.4145, 0.2677

Rectangle

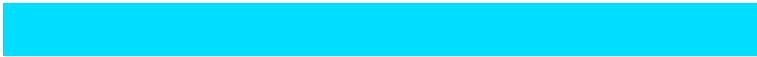
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.2109, 0.4527, 0.4600



64.2109, 0.3162, 0.5014



64.2109, 0.1772, 0.1931



64.2109, 0.2847, 0.2088

Sweetspot

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



64.2140, 0.4527, 0.4600



87.1186, 0.3525, 0.3747



24.6480, 0.5263, 0.2883



18.2734, 0.3590, 0.3817



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.



64.2140, 0.4527, 0.4600



59.2608, 0.4706, 0.4626



85.0779, 0.3803, 0.5202



20.2611, 0.3276, 0.3466



30.6119, 0.4730, 0.4626



3.1556, 0.4655, 0.4686

Inverse Universe

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



17.6056, 0.1750, 0.1270



11.9940, 0.1599, 0.0934



12.2081, 0.1840, 0.0923



18.1297, 0.2979, 0.3107



5.9462, 0.1582, 0.0894



0.7451, 0.1640, 0.1104

Previews

White Background



This preview shows how the Yxy color 64.2109, 0.4527, 0.4600 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 64.2109, 0.4527, 0.4600 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 64.2109, 0.4527, 0.4600

Background



This preview shows how black text looks on a background with the Yxy color 64.2109, 0.4527, 0.4600.



This preview shows how white text looks on a background with the Yxy color 64.2109, 0.4527, 0.4600.

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

64.2109, 0.4527, 0.4600

Protanopia

64.1831, 0.4312, 0.4749

Deuteranopia

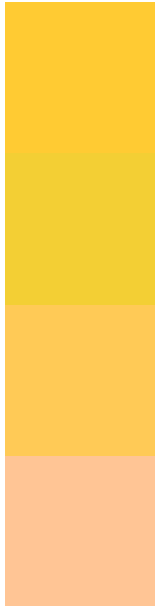
64.0739, 0.4275, 0.4232



Tritanopia

64.2514, 0.3539, 0.3178

Trichromacy



Original Color

64.2109, 0.4527, 0.4600

Protanomaly

63.9283, 0.4396, 0.4692

Deuteranomaly

64.1729, 0.4385, 0.4395

Tritanomaly

63.3624, 0.3986, 0.3791

Monochromacy



Original Color

64.2109, 0.4527, 0.4600

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

59.6885, 0.3703, 0.3938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2109, 0.4527, 0.4600 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, 203, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 51)  
}
```

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, 203, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 51) }
```

Border

The CSS property to change the border of an element to Yxy 64.2109, 0.4527, 0.4600 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, 203, 51) }
```

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

```
.border{ border-color:rgb(255, 203, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 203, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2109, 0.4527, 0.4600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 51) }
```

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

```
.background{ background-color: rgb(255,  
203, 51) }
```

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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