

Converting Colors

Yxy(63.8024, 0.4573, 0.4649)

Have a look what the booklet for
Yxy(63.8024, 0.4573, 0.4649)
contains.

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Color

Yxy(63.6284, 0.4577, 0.4646)

Conversions

Conversions Part 1

Format	Color
Hex	FFCA24
RGB	255, 202, 36
RGB Percent	100%, 79%, 14%
CMY	0.0000, 0.2078, 0.8591
CMYK	0.00, 0.21, 0.86, 0.00
HSL	45°, 100%, 57%
HSV	45°, 86%, 100%
XYZ	62.6834, 63.6284, 10.6413
YIQ	198.9230, 84.8740, -40.3900

Conversions

Conversions Part 2

Format	Color
RYB	106, 255, 36
Decimal	16763428
CIELab	83.77, 5.17, 79.90
CIELCh	84, 80.063, 86.299
Yxy	63.6284, 0.4577, 0.4646
Android (android.graphics.Color)	4294953508 (0xFFFFCA24)
YUV	198.9230, -80.3210, 49.1795
Hunter-Lab	79.7674, 0.6772, 47.9277

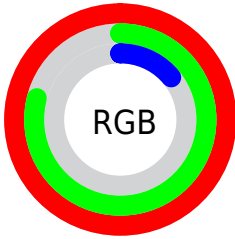
Details

The Yxy color **63.6284, 0.4577, 0.4646** is a light color, and the websafe version is hex **FFCC33**.

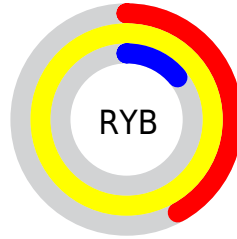
The color can be described as light washed yellow. A complement of this color would be **14.7287, 0.1676, 0.1105**, and the grayscale version is **57.5208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7001, 0.3986, 0.4709**, and **32.5173, 0.4677, 0.4668** is the 20% darker color. If you saturate the color by 10%, you get **60.6862, 0.4675, 0.4651**, and if you desaturate by 10%, it is **66.7961, 0.4448, 0.4592**.

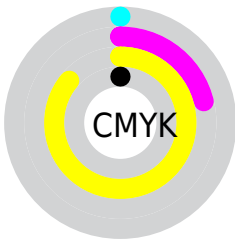
Distribution



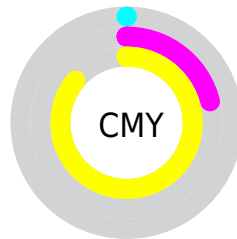
- Red (100%)
- Green (79%)
- Blue (14%)



- Red (42%)
- Yellow (100%)
- Blue (14%)



- Cyan (0%)
- Magenta (21%)
- Yellow (86%)
- Black (0%)





- Cyan (0%)
- Magenta (21%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6284, 0.4577, 0.4646 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 63.6284, 0.4577, 0.4646 by changing the saturation by 10% instead.


 63.6284, 0.4577,
0.4646


 63.6284, 0.4577,
0.4646


437.8465, 0.3972,
0.4101


 46.3498, 0.4682,
0.4734


 110.0756, 0.4391,
0.4484

 32.5219, 0.4792,
0.4821


 140.0130, 0.4311,
0.4412


 21.7605, 0.4900,
0.4898


 174.9387, 0.4239,
0.4347

 13.6810, 0.5022,
0.4978

 215.2371, 0.4174,
0.4288

 7.8991, 0.5052,
0.4948

 261.2928, 0.4116,
0.4234

 4.0305, 0.5096,
0.4904

 313.4899, 0.4063,

 1.6906, 0.5169,

0.4185

0.4831

372.2130, 0.4015,
0.4141

■ 0.4176, 0.5561,
0.4439

■ 0.0000, 0.0000,
0.0000

■ 63.6284, 0.4577,
0.4646

■ 63.6284, 0.4577,
0.4646

■ 60.6862, 0.4675,
0.4651


■ 66.7961, 0.4448,
0.4592

■ 59.5347, 0.4709,
0.4643


■ 70.2120, 0.4292,
0.4491

■ 73.8934, 0.4116,
0.4351

■ 77.8554, 0.3930,
0.4180

 82.1117, 0.3742,
0.3991

 86.6745, 0.3557,
0.3793

 91.5554, 0.3382,
0.3594

 96.7648, 0.3218,
0.3400

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.



63.6284, 0.5051, 0.3957



63.6284, 0.4577, 0.4646



63.6284, 0.3766, 0.5129

Triad

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



63.6284, 0.4577, 0.4646



63.6284, 0.1588, 0.2890



63.6284, 0.3160, 0.2158

Complementary

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



63.6284, 0.4577, 0.4646



14.7287, 0.1676, 0.1105

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.



63.6284, 0.2272, 0.1885



63.6284, 0.4577, 0.4646



63.6284, 0.1492, 0.2178

Square

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



63.6284, 0.4577, 0.4646



63.6284, 0.2047, 0.3989



63.6284, 0.1718, 0.1874



63.6284, 0.4198, 0.2649

Rectangle

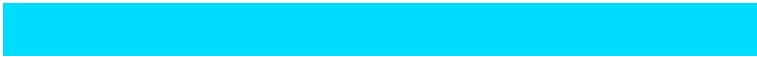
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.6284, 0.4577, 0.4646



63.6284, 0.3149, 0.5112



63.6284, 0.1718, 0.1874



63.6284, 0.2832, 0.2040

Sweetspot

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



63.6280, 0.4577, 0.4646



86.6302, 0.3559, 0.3795



23.2683, 0.5535, 0.2944



18.1968, 0.3622, 0.3864



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.



63.6280, 0.4577, 0.4646



59.5347, 0.4709, 0.4643



83.9587, 0.3780, 0.5293



20.3022, 0.3275, 0.3469



31.3530, 0.4698, 0.4651



3.2223, 0.4628, 0.4707

Inverse Universe

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



14.7287, 0.1676, 0.1105



10.6322, 0.1568, 0.0844



10.6873, 0.1779, 0.0828



18.0913, 0.2979, 0.3104



5.7479, 0.1575, 0.0869



0.7211, 0.1632, 0.1074

Previews

White Background



This preview shows how the Yxy color 63.6284, 0.4577, 0.4646 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 63.6284, 0.4577, 0.4646 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 63.6284, 0.4577, 0.4646

Background



This preview shows how black text looks on a background with the Yxy color 63.6284, 0.4577, 0.4646.



This preview shows how white text looks on a background with the Yxy color 63.6284, 0.4577, 0.4646.

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

63.6284, 0.4577, 0.4646

Protanopia

63.8953, 0.4346, 0.4816

Deuteranopia

63.4887, 0.4320, 0.4272



Tritanopia

63.3189, 0.3551, 0.3167

Trichromacy



Original Color

63.6284, 0.4577, 0.4646

Protanomaly

63.6365, 0.4429, 0.4756

Deuteranomaly

63.5691, 0.4439, 0.4446

Tritanomaly

62.7230, 0.4038, 0.3841

Monochromacy



Original Color

63.6284, 0.4577, 0.4646

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

58.2621, 0.3739, 0.3989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6284, 0.4577, 0.4646 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, 202, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 36)  
}
```

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, 202, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 36) }
```

Border

The CSS property to change the border of an element to Yxy 63.6284, 0.4577, 0.4646 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, 202, 36) }
```

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

```
.border{ border-color:rgb(255, 202, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 202, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6284, 0.4577, 0.4646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 36) }
```

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

```
.background{ background-color: rgb(255,  
202, 36) }
```

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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