

Converting Colors

$Y_{xy}(51.2471, 0.4681, 0.4579)$

Have a look what the booklet for
Yxy(51.2471, 0.4681, 0.4579)
contains.

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Color

Yxy(51.2565, 0.4685, 0.4575)

Conversions

Conversions Part 1

Format	Color
Hex	F0B41D
RGB	240, 180, 29
RGB Percent	94%, 71%, 11%
CMY	0.0587, 0.2942, 0.8862
CMYK	0.00, 0.25, 0.88, 0.06
HSL	43°, 88%, 53%
HSV	43°, 88%, 94%
XYZ	52.4889, 51.2565, 8.2907
YIQ	180.7260, 84.2310, -34.2410

Conversions

Conversions Part 2

Format	Color
R _Y B	113, 240, 29
Decimal	15774749
CIE Lab	76.83, 10.07, 75.29
CIE LCh	77, 75.960, 82.382
Yxy	51.2565, 0.4685, 0.4575
Android (android.graphics.Color)	4293964829 (0xFFFF0B41D)
YUV	180.7260, -74.8009, 51.9833
Hunter-Lab	71.5936, 5.5784, 43.2497

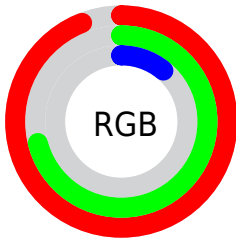
Details

The Yxy color **51.2565, 0.4685, 0.4575** is a light color, and the websafe version is hex **FFCC33**.

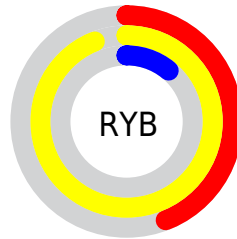
The color can be described as light washed orange. A complement of this color would be **13.7134, 0.1685, 0.1166**, and the grayscale version is **46.4346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0236, 0.4127, 0.4626**, and **25.0220, 0.4803, 0.4568** is the 20% darker color. If you saturate the color by 10%, you get **48.4908, 0.4795, 0.4563**, and if you desaturate by 10%, it is **54.2539, 0.4544, 0.4538**.

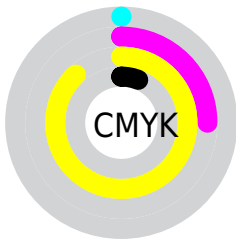
Distribution



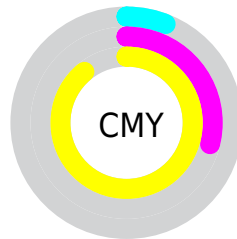
- Red (94%)
- Green (71%)
- Blue (11%)



- Red (44%)
- Yellow (94%)
- Blue (11%)



- Cyan (0%)
- Magenta (25%)
- Yellow (88%)
- Black (6%)




- Cyan (6%)
- Magenta (29%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.2565, 0.4685, 0.4575 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 51.2565, 0.4685, 0.4575 by changing the saturation by 10% instead.


 51.2565, 0.4685,
0.4575

 51.2565, 0.4685,
0.4575


391.5595, 0.4001,
0.4053


 36.4128, 0.4809,
0.4655


 92.0338, 0.4469,
0.4422

 24.7532, 0.4941,
0.4729


 118.7362, 0.4378,
0.4353


 15.8932, 0.5087,
0.4797


 150.1603, 0.4297,
0.4290

 9.4486, 0.5197,
0.4803

 186.6904, 0.4224,
0.4233

 5.0350, 0.5271,
0.4729

 228.7110, 0.4159,
0.4181

 2.2678, 0.5388,
0.4612

 276.6064, 0.4101,

 0.7566, 0.5621,

0.4134

0.4379

330.7612, 0.4049,
0.4092

■ 0.0000, 0.0000,
0.0000

■ 51.2565, 0.4685,
0.4575

■ 51.2565, 0.4685,
0.4575

■ 48.4908, 0.4795,
0.4563

■ 54.2539, 0.4544,
0.4538

■ 47.9338, 0.4816,
0.4558

■ 57.4971, 0.4375,
0.4452

■ 61.0051, 0.4187,
0.4325

■ 64.7920, 0.3990,
0.4167

■ 68.8705, 0.3792,
0.3990

■ 73.2520, 0.3600,
0.3802

■ 77.9473, 0.3418,
0.3614

■ 82.9663, 0.3250,
0.3430

■ 88.3184, 0.3096,
0.3254

Harmonies

Analogous

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



51.2565, 0.5108, 0.3868



51.2565, 0.4685, 0.4575



51.2565, 0.3889, 0.5125

Triad

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



51.2565, 0.4685, 0.4575



51.2565, 0.1602, 0.3008



51.2565, 0.3025, 0.2091

Complementary

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



51.2565, 0.4685, 0.4575



13.7134, 0.1685, 0.1166

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.



51.2565, 0.2164, 0.1847



51.2565, 0.4685, 0.4575



51.2565, 0.1462, 0.2226

Square

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



51.2565, 0.4685, 0.4575



51.2565, 0.2115, 0.4159



51.2565, 0.1648, 0.1872



51.2565, 0.4086, 0.2563

Rectangle

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



51.2565, 0.4685, 0.4575



51.2565, 0.3268, 0.5185



51.2565, 0.1648, 0.1872



51.2565, 0.2703, 0.1982

Sweetspot

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



51.2591, 0.4685, 0.4575



84.9878, 0.3566, 0.3768



20.1910, 0.5430, 0.2860



17.8035, 0.3631, 0.3834



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.



51.2591, 0.4685, 0.4575



54.8920, 0.4819, 0.4556



74.4168, 0.3856, 0.5252



17.6545, 0.3275, 0.3458



26.4675, 0.4804, 0.4568



2.3703, 0.4704, 0.4647

Inverse Universe

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



13.7134, 0.1685, 0.1166



11.9289, 0.1592, 0.0931



8.5221, 0.1701, 0.0772



15.9613, 0.2980, 0.3116



5.9224, 0.1601, 0.0963



0.6561, 0.1672, 0.1217

Previews

White Background



This preview shows how the Yxy color 51.2565, 0.4685, 0.4575 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 51.2565, 0.4685, 0.4575 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 51.2565, 0.4685, 0.4575

Background



This preview shows how black text looks on a background with the Yxy color 51.2565, 0.4685, 0.4575.



This preview shows how white text looks on a background with the Yxy color 51.2565, 0.4685, 0.4575.

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

51.2565, 0.4685, 0.4575

Protanopia

51.2273, 0.4360, 0.4813

Deuteranopia

51.2565, 0.4685, 0.4575



Tritanopia

51.0725, 0.3773, 0.3152

Trichromacy



Original Color

51.2565, 0.4685, 0.4575

Protanomaly

50.9047, 0.4478, 0.4726

Deuteranomaly

51.2565, 0.4685, 0.4575

Tritanomaly

50.5785, 0.4238, 0.3796

Monochromacy



Original Color

51.2565, 0.4685, 0.4575

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.1107, 0.3776, 0.3984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2565, 0.4685, 0.4575 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(240, 180, 29)` looks like.

```
.text, #text, p{  
    color:rgb(240, 180, 29)  
}
```

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(240, 180, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 180, 29) }
```

Border

The CSS property to change the border of an element to Yxy 51.2565, 0.4685, 0.4575 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(240, 180, 29) }
```

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

```
.border{ border-color:rgb(240, 180, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 180, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 180, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 180, 29);  
box-shadow:4px 4px 4px 4px rgb(240, 180,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2565, 0.4685, 0.4575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 180, 29) }
```

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

```
.background{ background-color: rgb(240,  
180, 29) }
```

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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