

Converting Colors

Yxy(58.2744, 0.4549, 0.4619)

Have a look what the booklet for
Yxy(58.2744, 0.4549, 0.4619)
contains.

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Color

Yxy(58.1705, 0.4553, 0.4615)

Conversions

Conversions Part 1

Format	Color
Hex	F5C22B
RGB	245, 194, 43
RGB Percent	96%, 76%, 17%
CMY	0.0391, 0.2392, 0.8314
CMYK	0.00, 0.21, 0.82, 0.04
HSL	45°, 91%, 56%
HSV	45°, 82%, 96%
XYZ	57.3890, 58.1705, 10.4871
YIQ	192.0350, 78.8670, -36.1490

Conversions

Conversions Part 2

Format	Color
R _Y B	111, 245, 43
Decimal	16106027
CIE Lab	80.83, 5.22, 75.28
CIE LCh	81, 75.458, 86.035
Yxy	58.1705, 0.4553, 0.4615
Android (android.graphics.Color)	4294296107 (0xFFFF5C22B)
YUV	192.0350, -73.4743, 46.4503
Hunter-Lab	76.2696, 0.8405, 45.2363

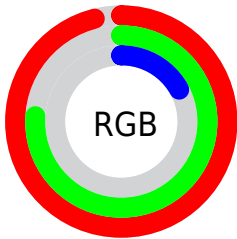
Details

The Yxy color **58.1705, 0.4553, 0.4615** is a light color, and the websafe version is hex **FFCC33**.

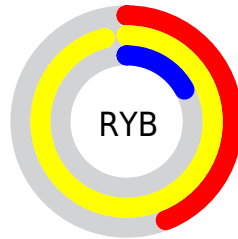
The color can be described as light washed yellow. A complement of this color would be **15.1142, 0.1722, 0.1211**, and the grayscale version is **53.1386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6105, 0.4000, 0.4654**, and **29.2401, 0.4677, 0.4669** is the 20% darker color. If you saturate the color by 10%, you get **55.3471, 0.4666, 0.4635**, and if you desaturate by 10%, it is **61.2221, 0.4409, 0.4546**.

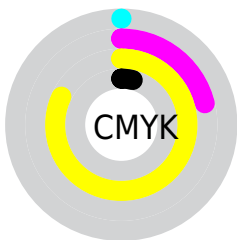
Distribution



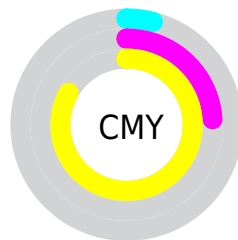
- Red (96%)
- Green (76%)
- Blue (17%)



- Red (44%)
- Yellow (96%)
- Blue (17%)



- Cyan (0%)
- Magenta (21%)
- Yellow (82%)
- Black (4%)





- Cyan (4%)
- Magenta (24%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.1705, 0.4553, 0.4615 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 58.1705, 0.4553, 0.4615 by changing the saturation by 10% instead.


 58.1705, 0.4553,
0.4615

 58.1705, 0.4553,
0.4615


417.8210, 0.3941,
0.4067


 41.9457, 0.4663,
0.4707


 102.1711, 0.4361,
0.4449

 29.0588, 0.4780,
0.4799


 130.7157, 0.4280,
0.4376


 19.1253, 0.4897,
0.4882


 164.1358, 0.4207,
0.4311

 11.7609, 0.5031,
0.4969

 202.8156, 0.4142,
0.4252

 6.5811, 0.5064,
0.4936

 247.1397, 0.4084,
0.4199

 3.2015, 0.5116,
0.4884

 297.4923, 0.4031,

 1.2378, 0.5204,

0.4150

0.4796

354.2579, 0.3984,
0.4106

■ 0.0923, 0.6998,
0.3002

■ 0.0000, 0.0000,
0.0000

■ 58.1705, 0.4553,
0.4615

■ 58.1705, 0.4553,
0.4615

■ 55.3471, 0.4666,
0.4635

■ 61.2221, 0.4409,
0.4546


■ 53.3418, 0.4734,
0.4623


■ 64.5116, 0.4242,
0.4431

■ 68.0569, 0.4059,
0.4280


■ 71.8714, 0.3868,
0.4104

 75.9673, 0.3679,
0.3914

 80.3555, 0.3496,
0.3717

 85.0463, 0.3324,
0.3523

 90.0493, 0.3164,
0.3335

 94.8135, 0.3067,
0.3238

Harmonies

Analogous

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



58.1705, 0.5005, 0.3945



58.1705, 0.4553, 0.4615



58.1705, 0.3765, 0.5077

Triad

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



58.1705, 0.4553, 0.4615



58.1705, 0.1627, 0.2913



58.1705, 0.3152, 0.2181

Complementary

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



58.1705, 0.4553, 0.4615



15.1142, 0.1722, 0.1211

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.



58.1705, 0.2289, 0.1915



58.1705, 0.4553, 0.4615



58.1705, 0.1528, 0.2212

Square

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



58.1705, 0.4553, 0.4615



58.1705, 0.2082, 0.3979



58.1705, 0.1746, 0.1908



58.1705, 0.4160, 0.2662

Rectangle

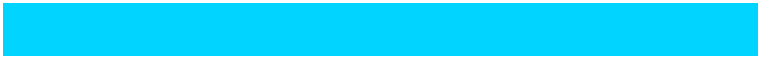
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.1705, 0.4553, 0.4615



58.1705, 0.3164, 0.5057



58.1705, 0.1746, 0.1908



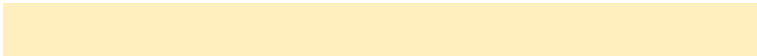
58.1705, 0.2834, 0.2066

Sweetspot

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



58.1734, 0.4553, 0.4615



86.7075, 0.3542, 0.3768



22.0034, 0.5348, 0.2893



18.1953, 0.3607, 0.3838



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.



58.1734, 0.4553, 0.4615



58.6348, 0.4727, 0.4624



77.4802, 0.3805, 0.5232



18.5634, 0.3275, 0.3466



28.9637, 0.4723, 0.4631



2.7085, 0.4642, 0.4696

Inverse Universe

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



15.1142, 0.1722, 0.1211



11.1684, 0.1580, 0.0880



10.5008, 0.1808, 0.0880



16.6067, 0.2979, 0.3108



5.5854, 0.1581, 0.0893



0.6485, 0.1646, 0.1125

Previews

White Background



This preview shows how the Yxy color 58.1705, 0.4553, 0.4615 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 58.1705, 0.4553, 0.4615 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 58.1705, 0.4553, 0.4615

Background



This preview shows how black text looks on a background with the Yxy color 58.1705, 0.4553, 0.4615.



This preview shows how white text looks on a background with the Yxy color 58.1705, 0.4553, 0.4615.

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

58.1705, 0.4553, 0.4615

Protanopia

58.1315, 0.4329, 0.4773

Deuteranopia

58.3337, 0.4637, 0.4538



Tritanopia

58.2479, 0.3651, 0.3146

Trichromacy



Original Color

58.1705, 0.4553, 0.4615

Protanomaly

57.8937, 0.4416, 0.4713

Deuteranomaly

58.2051, 0.4608, 0.4567

Tritanomaly

57.5205, 0.4078, 0.3778

Monochromacy



Original Color

58.1705, 0.4553, 0.4615

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.8238, 0.3712, 0.3954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1705, 0.4553, 0.4615 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(245, 194, 43)` looks like.

```
.text, #text, p{  
    color:rgb(245, 194, 43)  
}
```

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(245, 194, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 194, 43) }
```

Border

The CSS property to change the border of an element to Yxy 58.1705, 0.4553, 0.4615 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(245, 194, 43) }
```

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

```
.border{ border-color:rgb(245, 194, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 194, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 194, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 194, 43);  
box-shadow:4px 4px 4px 4px rgb(245, 194,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1705, 0.4553, 0.4615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 194, 43) }
```

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

```
.background{ background-color: rgb(245,  
194, 43) }
```

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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