

Converting Colors

$Y_{xy}(54.9579, 0.4691, 0.4597)$

Have a look what the booklet for
Yxy(54.9579, 0.4691, 0.4597)
contains.

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Color

Yxy(54.9579, 0.4691, 0.4597)

Conversions

Conversions Part 1

Format	Color
Hex	F7BA18
RGB	247, 186, 24
RGB Percent	97%, 73%, 9%
CMY	0.0314, 0.2706, 0.9061
CMYK	0.00, 0.25, 0.90, 0.03
HSL	44°, 93%, 53%
HSV	44°, 90%, 97%
XYZ	56.0817, 54.9579, 8.5121
YIQ	185.7710, 88.3580, -37.4500

Conversions

Conversions Part 2

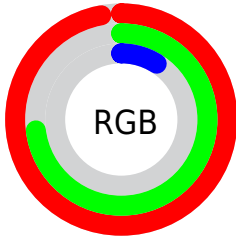
Format	Color
R _Y B	108, 247, 24
Decimal	16235032
CIE Lab	79.02, 9.81, 78.30
CIE LCh	79, 78.918, 82.856
Yxy	54.9579, 0.4691, 0.4597
Android (android.graphics.Color)	4294425112 (0xFF7BA18)
YUV	185.7710, -79.7531, 53.6978
Hunter-Lab	74.1336, 5.3005, 45.0858

Details

The Yxy color **54.9579, 0.4691, 0.4597** 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 **13.3949, 0.1655, 0.1086**, and the grayscale version is **49.3836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5196, 0.4095, 0.4677**, and **27.0893, 0.4795, 0.4575** is the 20% darker color. If you saturate the color by 10%, you get **52.2001, 0.4788, 0.4580**, and if you desaturate by 10%, it is **58.0272, 0.4562, 0.4570**.

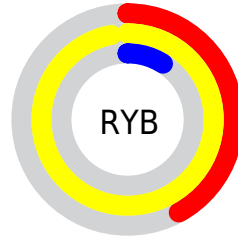
Distribution



Red (97%)

Green (73%)

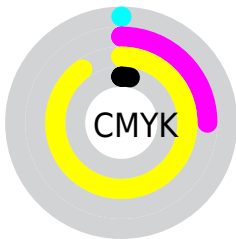
Blue (9%)



Red (42%)

Yellow (97%)

Blue (9%)

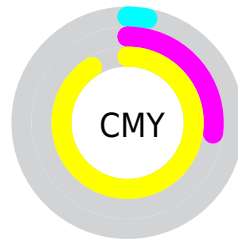


Cyan (0%)

Magenta (25%)

Yellow (90%)

Black (3%)



Cyan (3%)

Magenta (27%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.9579, 0.4691, 0.4597 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 54.9579, 0.4691, 0.4597 by changing the saturation by 10% instead.


 54.9579, 0.4691,
0.4597


 54.9579, 0.4691,
0.4597


405.7523, 0.4018,
0.4075

 39.3680, 0.4810,
0.4675


 97.4793, 0.4482,
0.4446

 27.0461, 0.4935,
0.4747


 125.1795, 0.4392,
0.4377


 17.6079, 0.5070,
0.4811


 157.6854, 0.4312,
0.4315

 10.6688, 0.5177,
0.4823

 195.3812, 0.4240,
0.4258

 5.8446, 0.5243,
0.4757

 238.6515, 0.4176,
0.4206

 2.7508, 0.5345,
0.4655

 287.8805, 0.4118,

 1.0031, 0.5524,

0.4158

0.4476

343.4526, 0.4066,
0.4115

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.9579, 0.4691,
0.4597

■ 54.9579, 0.4691,
0.4597


■ 52.2001, 0.4788,
0.4580


■ 58.0272, 0.4562,
0.4570


■ 61.3440, 0.4404,
0.4494


■ 64.9290, 0.4225,
0.4375

■ 68.7977, 0.4032,
0.4221

 72.9639, 0.3836,
0.4045

 77.4400, 0.3644,
0.3857

 82.2373, 0.3460,
0.3665

 87.3665, 0.3289,
0.3476

 92.8376, 0.3132,
0.3295

Harmonies

Analogous

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



54.9579, 0.5132, 0.3881



54.9579, 0.4691, 0.4597



54.9579, 0.3880, 0.5155

Triad

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



54.9579, 0.4691, 0.4597



54.9579, 0.1578, 0.2985



54.9579, 0.3039, 0.2083

Complementary

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



54.9579, 0.4691, 0.4597



13.3949, 0.1655, 0.1086

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.



54.9579, 0.2162, 0.1832



54.9579, 0.4691, 0.4597



54.9579, 0.1444, 0.2202

Square

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



54.9579, 0.4691, 0.4597



54.9579, 0.2089, 0.4154



54.9579, 0.1637, 0.1852



54.9579, 0.4116, 0.2562

Rectangle

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



54.9579, 0.4691, 0.4597



54.9579, 0.3251, 0.5213



54.9579, 0.1637, 0.1852



54.9579, 0.2711, 0.1971

Sweetspot

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



54.9606, 0.4691, 0.4597



84.9025, 0.3582, 0.3794



21.1154, 0.5572, 0.2912



17.8039, 0.3647, 0.3860



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.



54.9606, 0.4691, 0.4597



56.0721, 0.4789, 0.4579



78.6856, 0.3828, 0.5294



18.5024, 0.3275, 0.3461



27.8554, 0.4776, 0.4590



2.6189, 0.4686, 0.4661

Inverse Universe

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



13.3949, 0.1655, 0.1086



11.5663, 0.1585, 0.0907



8.7540, 0.1690, 0.0747



16.6640, 0.2979, 0.3113



5.9106, 0.1594, 0.0936



0.6838, 0.1660, 0.1175

Previews

White Background



This preview shows how the Yxy color 54.9579, 0.4691, 0.4597 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 54.9579, 0.4691, 0.4597 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 54.9579, 0.4691, 0.4597

Background



This preview shows how black text looks on a background with the Yxy color 54.9579, 0.4691, 0.4597.



This preview shows how white text looks on a background with the Yxy color 54.9579, 0.4691, 0.4597.

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

54.9579, 0.4691, 0.4597

Protanopia

54.9311, 0.4376, 0.4831

Deuteranopia

55.1402, 0.4699, 0.4591



Tritanopia

54.6923, 0.3753, 0.3156

Trichromacy



Original Color

54.9579, 0.4691, 0.4597

Protanomaly

54.5968, 0.4491, 0.4745

Deuteranomaly

55.1402, 0.4699, 0.4591

Tritanomaly

54.0685, 0.4238, 0.3826

Monochromacy



Original Color

54.9579, 0.4691, 0.4597

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

50.0600, 0.3801, 0.4014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.9579, 0.4691, 0.4597 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(247, 186, 24)` looks like.

```
.text, #text, p{  
    color:rgb(247, 186, 24)  
}
```

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(247, 186, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 186, 24) }
```

Border

The CSS property to change the border of an element to Yxy 54.9579, 0.4691, 0.4597 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(247, 186, 24) }
```

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

```
.border{ border-color:rgb(247, 186, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 186, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 186, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 186, 24);  
box-shadow:4px 4px 4px 4px rgb(247, 186,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 54.9579, 0.4691, 0.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 186, 24) }
```

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

```
.background{ background-color: rgb(247,  
186, 24) }
```

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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