

Converting Colors

$Y_{xy}(52.7490, 0.4689, 0.4609)$

Have a look what the booklet for
Yxy(52.7490, 0.4689, 0.4609)
contains.

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Color

Yxy(52.7947, 0.4688, 0.4611)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | F2B714 |
| RGB | 242, 183, 20 |
| RGB Percent | 95%, 72%, 8% |
| CMY | 0.0510, 0.2823, 0.9213 |
| CMYK | 0.00, 0.24, 0.92, 0.05 |
| HSL | 44°, 90%, 51% |
| HSV | 44°, 92%, 95% |
| XYZ | 53.6763, 52.7947, 8.0263 |
| YIQ | 182.0590, 87.4870, -38.1850 |

Conversions

Conversions Part 2

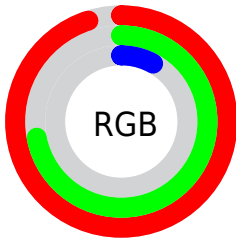
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 100, 242, 20 |
| Decimal | 15906580 |
| CIE _{Lab} | 77.75, 9.18, 77.79 |
| CIE _{LCh} | 78, 78.325, 83.272 |
| Yxy | 52.7947, 0.4688, 0.4611 |
| Android (android.graphics.Color) | 4294096660 (0xFFFF2B714) |
| YUV | 182.0590, -79.8951, 52.5683 |
| Hunter-Lab | 72.6600, 4.7090, 44.3126 |

Details

The Yxy color **52.7947, 0.4688, 0.4611** 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 **12.1607, 0.1639, 0.1043**, and the grayscale version is **47.2272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7143, 0.4121, 0.4668**, and **25.6686, 0.4785, 0.4582** is the 20% darker color. If you saturate the color by 10%, you get **50.5864, 0.4768, 0.4596**, and if you desaturate by 10%, it is **55.6450, 0.4567, 0.4589**.

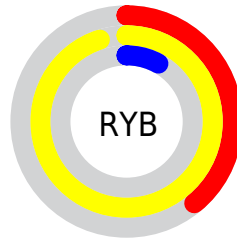
Distribution



Red (95%)

Green (72%)

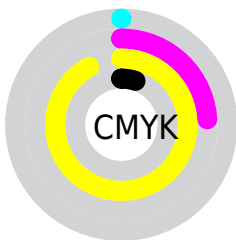
Blue (8%)



Red (39%)

Yellow (95%)

Blue (8%)

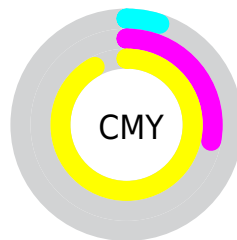


Cyan (0%)

Magenta (24%)

Yellow (92%)

Black (5%)



Cyan (5%)


Magenta (28%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.7947, 0.4688, 0.4611 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 52.7947, 0.4688, 0.4611 by changing the saturation by 10% instead.


 52.7947, 0.4688,
0.4611

 52.7947, 0.4688,
0.4611


397.4970, 0.4013,
0.4079

 37.6389, 0.4807,
0.4691


 94.3022, 0.4478,
0.4456

 25.7026, 0.4932,
0.4764


 121.4227, 0.4388,
0.4386


 16.6013, 0.5072,
0.4835


 153.3002, 0.4308,
0.4323


 9.9506, 0.5164,
0.4836

 190.3192, 0.4236,
0.4264

 5.3662, 0.5229,
0.4771

 232.8639, 0.4171,
0.4211

 2.4637, 0.5331,
0.4669

 281.3189, 0.4113,

 0.8584, 0.5516,

0.4163

0.4484

336.0684, 0.4061,
0.4119

■ 0.0000, 0.0000,
0.0000

■ 52.7947, 0.4688,
0.4611

■ 52.7947, 0.4688,
0.4611

■ 50.5864, 0.4768,
0.4596

■ 55.6450, 0.4567,
0.4589

■ 58.7216, 0.4416,
0.4518

■ 62.0447, 0.4241,
0.4403

■ 65.6292, 0.4053,
0.4252

■ 69.4880, 0.3859,
0.4077

■ 73.6331, 0.3667,
0.3889

■ 78.0753, 0.3484,
0.3695

■ 82.8247, 0.3311,
0.3504

■ 87.8907, 0.3153,
0.3320

Harmonies

Analogous

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



52.7947, 0.5139, 0.3891



52.7947, 0.4688, 0.4611



52.7947, 0.3869, 0.5170

Triad

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



52.7947, 0.4688, 0.4611



52.7947, 0.1566, 0.2968



52.7947, 0.3053, 0.2082

Complementary

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



52.7947, 0.4688, 0.4611



12.1607, 0.1639, 0.1043

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.



52.7947, 0.2167, 0.1827



52.7947, 0.4688, 0.4611



52.7947, 0.1437, 0.2188

Square

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



52.7947, 0.4688, 0.4611



52.7947, 0.2073, 0.4142



52.7947, 0.1635, 0.1843



52.7947, 0.4136, 0.2566

Rectangle

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



52.7947, 0.4688, 0.4611



52.7947, 0.3236, 0.5222



52.7947, 0.1635, 0.1843



52.7947, 0.2722, 0.1969

Sweetspot

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



52.7973, 0.4688, 0.4611



84.7078, 0.3600, 0.3819



19.9471, 0.5671, 0.2955



17.6787, 0.3681, 0.3902



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.



52.7973, 0.4688, 0.4611



56.8954, 0.4770, 0.4595



74.5247, 0.3799, 0.5326



17.7067, 0.3275, 0.3463



27.4134, 0.4756, 0.4606



2.4426, 0.4665, 0.4678

Inverse Universe

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



12.1607, 0.1639, 0.1043



11.3273, 0.1581, 0.0891



8.2857, 0.1694, 0.0741



15.9120, 0.2980, 0.3111



5.6238, 0.1589, 0.0922



0.6256, 0.1659, 0.1172

Previews

White Background



This preview shows how the Yxy color 52.7947, 0.4688, 0.4611 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 52.7947, 0.4688, 0.4611 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 52.7947, 0.4688, 0.4611

Background



This preview shows how black text looks on a background with the Yxy color 52.7947, 0.4688, 0.4611.



This preview shows how white text looks on a background with the Yxy color 52.7947, 0.4688, 0.4611.

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

52.7947, 0.4688, 0.4611

Protanopia

52.9576, 0.4375, 0.4842

Deuteranopia

52.5647, 0.4705, 0.4594



Tritanopia

52.6776, 0.3754, 0.3153

Trichromacy



Original Color

52.7947, 0.4688, 0.4611

Protanomaly

52.6258, 0.4491, 0.4754

Deuteranomaly

52.5647, 0.4705, 0.4594

Tritanomaly

52.0716, 0.4246, 0.3834

Monochromacy



Original Color

52.7947, 0.4688, 0.4611

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.7233, 0.3815, 0.4027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.7947, 0.4688, 0.4611 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(242, 183, 20)` looks like.

```
.text, #text, p{  
    color:rgb(242, 183, 20)  
}
```

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(242, 183, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 183, 20) }
```

Border

The CSS property to change the border of an element to Yxy 52.7947, 0.4688, 0.4611 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(242, 183, 20) }
```

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

```
.border{ border-color:rgb(242, 183, 20) }
```

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

Here you see how a box with a 4 pixel rgb(242, 183, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 183, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 183, 20);  
box-shadow:4px 4px 4px 4px rgb(242, 183,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 52.7947, 0.4688, 0.4611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 183, 20) }
```

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

```
.background{ background-color: rgb(242,  
183, 20) }
```

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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