

Converting Colors

$Y_{xy}(48.8554, 0.4528, 0.4175)$

Have a look what the booklet for
Yxy(48.8554, 0.4528, 0.4175)
contains.

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Color

Yxy(48.6589, 0.4527, 0.4170)

Conversions

Conversions Part 1

Format	Color
Hex	F2AB55
RGB	242, 171, 85
RGB Percent	95%, 67%, 33%
CMY	0.0509, 0.3294, 0.6666
CMYK	0.00, 0.29, 0.65, 0.05
HSL	33°, 86%, 64%
HSV	33°, 65%, 95%
XYZ	52.8247, 48.6589, 15.2044
YIQ	182.4250, 69.9220, -11.6940

Conversions

Conversions Part 2

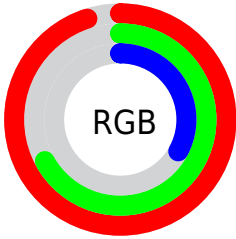
Format	Color
R _Y B	215, 242, 85
Decimal	15903573
CIE Lab	75.24, 17.82, 53.55
CIE LCh	75, 56.434, 71.594
Yxy	48.6589, 0.4527, 0.4170
Android (android.graphics.Color)	4294093653 (0xFFFF2AB55)
YUV	182.4250, -48.0305, 52.2473
Hunter-Lab	69.7559, 13.1013, 35.9059

Details

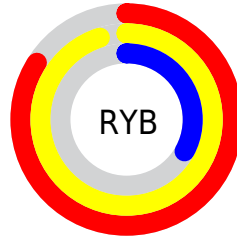
The Yxy color **48.6589, 0.4527, 0.4170** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **32.1299, 0.2079, 0.2109**, and the grayscale version is **47.2639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4877, 0.3933, 0.4174**, and **23.2485, 0.4849, 0.4309** is the 20% darker color. If you saturate the color by 10%, you get **44.3744, 0.4778, 0.4237**, and if you desaturate by 10%, it is **53.4223, 0.4270, 0.4065**.

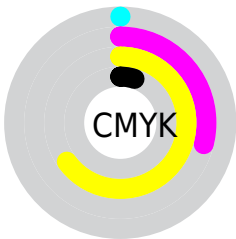
Distribution



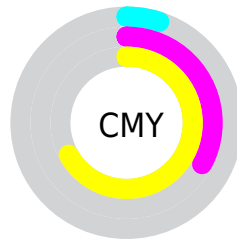
- Red (95%)
- Green (67%)
- Blue (33%)



- Red (84%)
- Yellow (95%)
- Blue (33%)



- Cyan (0%)
- Magenta (29%)
- Yellow (65%)
- Black (5%)





- Cyan (5%)
- Magenta (33%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6589, 0.4527, 0.4170 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 48.6589, 0.4527, 0.4170 by changing the saturation by 10% instead.


 48.6589, 0.4527,
0.4170


 48.6589, 0.4527,
0.4170


381.3979, 0.3857,
0.3793


 34.3490, 0.4675,
0.4238


 88.1846, 0.4296,
0.4052


 23.1618, 0.4850,
0.4308


 114.1692, 0.4206,
0.4001

 14.7130, 0.5057,
0.4373


 144.8142, 0.4127,
0.3957

 8.6182, 0.5312,
0.4429

 180.5039, 0.4059,
0.3916

 4.4930, 0.5587,
0.4413

 221.6227, 0.3999,
0.3881

 1.9530, 0.5798,
0.4202

268.5551, 0.3946,

 0.5799, 0.6317,

0.3848

0.3683

321.6853, 0.3899,
0.3819

0.0000, 0.0000,
0.0000

48.6589, 0.4527,
0.4170

48.6589, 0.4527,
0.4170

44.3744, 0.4778,
0.4237

53.4223, 0.4270,
0.4065

40.5392, 0.5008,
0.4255

58.6773, 0.4019,
0.3935

37.1298, 0.5202,
0.4217


64.4448, 0.3784,
0.3791


35.5307, 0.5290,
0.4182

70.7419, 0.3568,
0.3643

77.5848, 0.3375,
0.3496

 84.9887, 0.3203,
0.3356

 92.9683, 0.3052,
0.3223

 97.6198, 0.3048,
0.3290

Harmonies

Analogous

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



48.6589, 0.4656, 0.3608



48.6589, 0.4527, 0.4170



48.6589, 0.4016, 0.4613

Triad

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



48.6589, 0.4527, 0.4170



48.6589, 0.2049, 0.3396



48.6589, 0.2794, 0.2237

Complementary

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



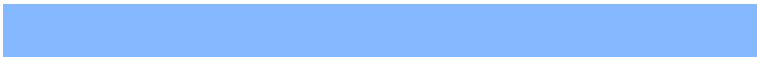
48.6589, 0.4527, 0.4170



32.1299, 0.2079, 0.2109

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.



48.6589, 0.2192, 0.2117



48.6589, 0.4527, 0.4170



48.6589, 0.1806, 0.2672

Square

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



48.6589, 0.4527, 0.4170



48.6589, 0.2583, 0.4216



48.6589, 0.1859, 0.2248



48.6589, 0.3578, 0.2567

Rectangle

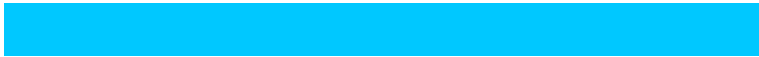
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.6589, 0.4527, 0.4170



48.6589, 0.3552, 0.4725



48.6589, 0.1859, 0.2248



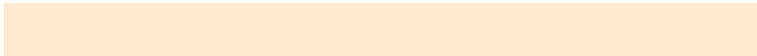
48.6589, 0.2566, 0.2172

Sweetspot

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



48.6613, 0.4527, 0.4170



84.0690, 0.3453, 0.3557



27.8571, 0.4213, 0.2548



17.5235, 0.3509, 0.3599



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.



48.6613, 0.4527, 0.4170



48.4687, 0.4858, 0.4249



82.1357, 0.3986, 0.4797



17.1938, 0.3279, 0.3419



19.3619, 0.5267, 0.4200



1.8093, 0.5087, 0.4343

Inverse Universe

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



32.1299, 0.2079, 0.2109



28.6420, 0.1907, 0.1822



15.0967, 0.1892, 0.1214



16.4063, 0.2980, 0.3157



9.6375, 0.1729, 0.1423



0.9979, 0.1799, 0.1674

Previews

White Background



This preview shows how the Yxy color 48.6589, 0.4527, 0.4170 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 48.6589, 0.4527, 0.4170 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 48.6589, 0.4527, 0.4170

Background



This preview shows how black text looks on a background with the Yxy color 48.6589, 0.4527, 0.4170.



This preview shows how white text looks on a background with the Yxy color 48.6589, 0.4527, 0.4170.

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

48.6589, 0.4527, 0.4170

Protanopia

48.9778, 0.4056, 0.4428

Deuteranopia

48.9074, 0.4380, 0.4288



Tritanopia

48.4633, 0.3850, 0.3163

Trichromacy



Original Color

48.6589, 0.4527, 0.4170

Protanomaly

48.8124, 0.4224, 0.4340

Deuteranomaly

48.7925, 0.4431, 0.4251

Tritanomaly

48.4262, 0.4129, 0.3554

Monochromacy



Original Color

48.6589, 0.4527, 0.4170

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.7847, 0.3627, 0.3682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6589, 0.4527, 0.4170 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, 171, 85)` looks like.

```
.text, #text, p{  
    color:rgb(242, 171, 85)  
}
```

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, 171, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 171, 85) }
```

Border

The CSS property to change the border of an element to Yxy 48.6589, 0.4527, 0.4170 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, 171, 85) }
```

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

```
.border{ border-color:rgb(242, 171, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 171, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 171, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 171, 85);  
box-shadow:4px 4px 4px 4px rgb(242, 171,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6589, 0.4527, 0.4170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 171, 85) }
```

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

```
.background{ background-color: rgb(242,  
171, 85) }
```

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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