

Converting Colors

$Yxy(50.9143, 0.4713, 0.4503)$

Have a look what the booklet for
Yxy(50.9143, 0.4713, 0.4503)
contains.

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Color

Yxy(50.6389, 0.4715, 0.4502)

Conversions

Conversions Part 1

Format	Color
Hex	F3B126
RGB	243, 177, 38
RGB Percent	95%, 69%, 15%
CMY	0.0470, 0.3059, 0.8512
CMYK	0.00, 0.27, 0.84, 0.05
HSL	41°, 90%, 55%
HSV	41°, 84%, 95%
XYZ	53.0347, 50.6389, 8.8073
YIQ	180.8880, 83.9550, -29.2370

Conversions

Conversions Part 2

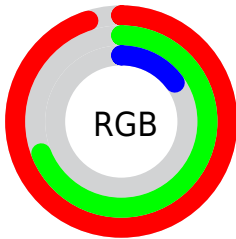
Format	Color
RYB	135, 243, 38
Decimal	15970598
CIELab	76.46, 13.10, 72.92
CIELCh	76, 74.086, 79.815
Yxy	50.6389, 0.4715, 0.4502
Android (android.graphics.Color)	4294160678 (0xFFFF3B126)
YUV	180.8880, -70.4438, 54.4722
Hunter-Lab	71.1610, 8.5004, 42.4747

Details

The Yxy color **50.6389, 0.4715, 0.4502** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **16.7710, 0.1746, 0.1336**, and the grayscale version is **46.4971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8551, 0.4124, 0.4555**, and **24.6123, 0.4878, 0.4509** is the 20% darker color. If you saturate the color by 10%, you get **47.5308, 0.4851, 0.4498**, and if you desaturate by 10%, it is **54.0313, 0.4547, 0.4454**.

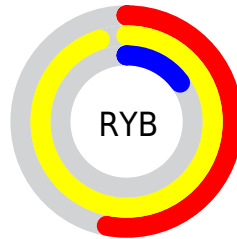
Distribution



Red (95%)

Green (69%)

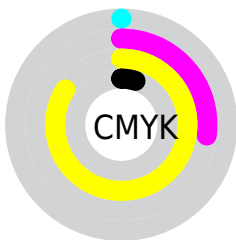
Blue (15%)



Red (53%)

Yellow (95%)

Blue (15%)

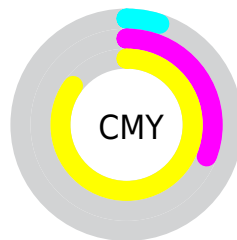


Cyan (0%)

Magenta (27%)

Yellow (84%)

Black (5%)



Cyan (5%)


Magenta (31%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6389, 0.4715, 0.4502 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 50.6389, 0.4715, 0.4502 by changing the saturation by 10% instead.


 50.6389, 0.4715,
0.4502

 50.6389, 0.4715,
0.4502


389.1592, 0.4007,
0.4012


 35.9213, 0.4848,
0.4576


 91.1208, 0.4488,
0.4359

 24.3734, 0.4992,
0.4643


 117.6539, 0.4393,
0.4295

 15.6109, 0.5150,
0.4699


 148.8942, 0.4309,
0.4236

 9.2492, 0.5295,
0.4705

 185.2263, 0.4235,
0.4182

 4.9041, 0.5391,
0.4609

 227.0344, 0.4168,
0.4133

 2.1911, 0.5542,
0.4458

 274.7030, 0.4109,

 0.7151, 0.5854,

0.4089

0.4146

328.6165, 0.4055,
0.4049

■ 0.0000, 0.0000,
0.0000

■ 50.6389, 0.4715,
0.4502

■ 50.6389, 0.4715,
0.4502

■ 47.5308, 0.4851,
0.4498

■ 54.0313, 0.4547,
0.4454

■ 45.8915, 0.4916,
0.4478

■ 57.7204, 0.4355,
0.4360

■ 61.7257, 0.4149,
0.4227

■ 66.0619, 0.3940,
0.4068

■ 70.7426, 0.3735,
0.3894

■ 75.7801, 0.3540,
0.3714

■ 81.1860, 0.3359,
0.3535

■ 86.9710, 0.3194,
0.3363

■ 93.0389, 0.3055,
0.3216

Harmonies

Analogous

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



50.6389, 0.5082, 0.3806



50.6389, 0.4715, 0.4502



50.6389, 0.3957, 0.5061

Triad

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



50.6389, 0.4715, 0.4502



50.6389, 0.1657, 0.3103



50.6389, 0.2945, 0.2080

Complementary

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



50.6389, 0.4715, 0.4502



16.7710, 0.1746, 0.1336

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.



50.6389, 0.2124, 0.1861



50.6389, 0.4715, 0.4502



50.6389, 0.1487, 0.2295

Square

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



50.6389, 0.4715, 0.4502



50.6389, 0.2196, 0.4237



50.6389, 0.1644, 0.1912



50.6389, 0.3980, 0.2529

Rectangle

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



50.6389, 0.4715, 0.4502



50.6389, 0.3351, 0.5156



50.6389, 0.1644, 0.1912



50.6389, 0.2636, 0.1979

Sweetspot

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



50.6414, 0.4715, 0.4502



84.1531, 0.3553, 0.3726



21.4848, 0.5197, 0.2772



17.5807, 0.3620, 0.3790



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.



50.6414, 0.4715, 0.4502



51.1197, 0.4919, 0.4476



77.7738, 0.3905, 0.5179



18.3617, 0.3277, 0.3450



25.4405, 0.4902, 0.4490



2.4215, 0.4791, 0.4578

Inverse Universe

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



16.7710, 0.1746, 0.1336



13.2654, 0.1616, 0.1017



9.2361, 0.1710, 0.0808



16.7974, 0.2980, 0.3125



6.7741, 0.1625, 0.1049



0.7737, 0.1693, 0.1296

Previews

White Background



This preview shows how the Yxy color 50.6389, 0.4715, 0.4502 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 50.6389, 0.4715, 0.4502 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 50.6389, 0.4715, 0.4502

Background



This preview shows how black text looks on a background with the Yxy color 50.6389, 0.4715, 0.4502.



This preview shows how white text looks on a background with the Yxy color 50.6389, 0.4715, 0.4502.

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

50.6389, 0.4715, 0.4502

Protanopia

50.7014, 0.4335, 0.4774

Deuteranopia

50.5509, 0.4657, 0.4552



Tritanopia

50.5938, 0.3826, 0.3164

Trichromacy



Original Color

50.6389, 0.4715, 0.4502

Protanomaly

50.6984, 0.4471, 0.4677

Deuteranomaly

50.4996, 0.4683, 0.4532

Tritanomaly

49.8388, 0.4265, 0.3751

Monochromacy



Original Color

50.6389, 0.4715, 0.4502

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.0649, 0.3774, 0.3931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6389, 0.4715, 0.4502 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(243, 177, 38)` looks like.

```
.text, #text, p{  
    color:rgb(243, 177, 38)  
}
```

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(243, 177, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 177, 38) }
```

Border

The CSS property to change the border of an element to Yxy 50.6389, 0.4715, 0.4502 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(243, 177, 38) }
```

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

```
.border{ border-color:rgb(243, 177, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 177, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 177, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 177, 38);  
box-shadow:4px 4px 4px 4px rgb(243, 177,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6389, 0.4715, 0.4502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 177, 38) }
```

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

```
.background{ background-color: rgb(243,  
177, 38) }
```

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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