

Converting Colors

$Y_{xy}(48.1099, 0.4842, 0.4511)$

Have a look what the booklet for
Yxy(48.1099, 0.4842, 0.4511)
contains.

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Color

Yxy(48.2071, 0.4834, 0.4517)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | F3AB0C |
| RGB | 243, 171, 12 |
| RGB Percent | 95%, 67%, 5% |
| CMY | 0.0471, 0.3294, 0.9538 |
| CMYK | 0.00, 0.30, 0.95, 0.05 |
| HSL | 41°, 91%, 50% |
| HSV | 41°, 95%, 95% |
| XYZ | 51.5902, 48.2071, 6.9264 |
| YIQ | 174.4020, 93.9510, -34.1850 |

Conversions

Conversions Part 2

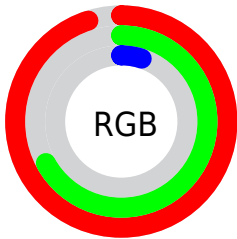
| Format | Color |
|-------------------------------------|---|
| RYB | 117, 243, 12 |
| Decimal | 15969036 |
| CIELab | 74.96, 15.81, 76.98 |
| CIELCh | 75, 78.588, 78.392 |
| Yxy | 48.2071, 0.4834, 0.4517 |
| Android (android.graphics.Color) | 4294159116 (0xFFFF3AB0C) |
| YUV | 174.4020, -80.0642, 60.1604 |
| Hunter-Lab | 69.4313, 11.1278, 42.6872 |

Details

The Yxy color **48.2071, 0.4834, 0.4517** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle saturated orange. A complement of this color would be **12.8539, 0.1643, 0.1084**, and the grayscale version is **42.9188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2928, 0.4225, 0.4603**, and **23.0174, 0.4956, 0.4447** is the 20% darker color. If you saturate the color by 10%, you get **46.8160, 0.4888, 0.4501**, and if you desaturate by 10%, it is **51.2523, 0.4705, 0.4522**.

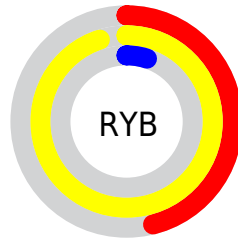
Distribution



Red (95%)

Green (67%)

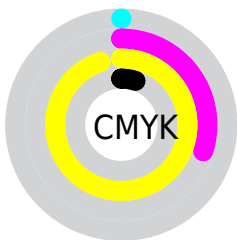
Blue (5%)



Red (46%)

Yellow (95%)

Blue (5%)

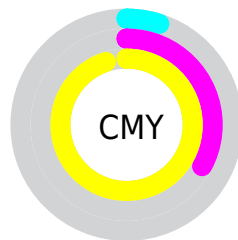


Cyan (0%)

Magenta (30%)

Yellow (95%)

Black (5%)



Cyan (5%)


Magenta (33%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2071, 0.4834, 0.4517 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 48.2071, 0.4834, 0.4517 by changing the saturation by 10% instead.

 48.2071, 0.4834,
0.4517


 48.2071, 0.4834,
0.4517

379.6124, 0.4079,
0.4041

 33.9909, 0.4971,
0.4579


 87.5127, 0.4596,
0.4385


 22.8866, 0.5116,
0.4627


 113.3709, 0.4495,
0.4323


 14.5098, 0.5305,
0.4683


 143.8785, 0.4405,
0.4266

 8.4761, 0.5394,
0.4606

 179.4200, 0.4325,
0.4212

 4.4011, 0.5515,
0.4485

 220.3798, 0.4253,
0.4164

 1.9004, 0.5708,
0.4292

 267.1421, 0.4189,

 0.5486, 0.6237,

0.4119

0.3763

320.0916, 0.4131,
0.4078

■ 0.0000, 0.0000,
0.0000

■ 48.2071, 0.4834,
0.4517

■ 48.2071, 0.4834,
0.4517

■ 46.8160, 0.4888,
0.4501

■ 51.2523, 0.4705,
0.4522

■ 54.5619, 0.4544,
0.4477

■ 58.1585, 0.4357,
0.4383

■ 62.0589, 0.4156,
0.4251

■ 66.2777, 0.3950,
0.4092

■ 70.8283, 0.3747,
0.3916

■ 75.7229, 0.3553,
0.3734

■ 80.9727, 0.3372,
0.3553

■ 86.5884, 0.3206,
0.3377

Harmonies

Analogous

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



48.2071, 0.5220, 0.3775



48.2071, 0.4834, 0.4517



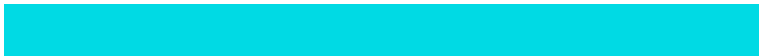
48.2071, 0.4031, 0.5159

Triad

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



48.2071, 0.4834, 0.4517



48.2071, 0.1579, 0.3129



48.2071, 0.2877, 0.1991

Complementary

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



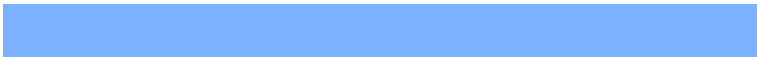
48.2071, 0.4834, 0.4517



12.8539, 0.1643, 0.1084

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.



48.2071, 0.2025, 0.1773



48.2071, 0.4834, 0.4517



48.2071, 0.1392, 0.2248

Square

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



48.2071, 0.4834, 0.4517



48.2071, 0.2159, 0.4377



48.2071, 0.1542, 0.1835



48.2071, 0.3989, 0.2451

Rectangle

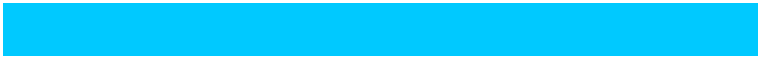
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.2071, 0.4834, 0.4517



48.2071, 0.3390, 0.5315



48.2071, 0.1542, 0.1835



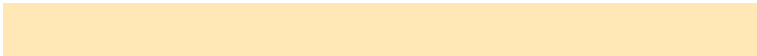
48.2071, 0.2553, 0.1889

Sweetspot

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



48.2095, 0.4834, 0.4517



82.2973, 0.3627, 0.3806



19.9682, 0.5604, 0.2889



17.1189, 0.3711, 0.3884



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.



48.2095, 0.4834, 0.4517



52.1551, 0.4890, 0.4499



76.4900, 0.3876, 0.5285



18.3921, 0.3276, 0.3452



25.9459, 0.4874, 0.4512



2.4631, 0.4768, 0.4596

Inverse Universe

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



12.8539, 0.1643, 0.1084



12.8694, 0.1609, 0.0992



7.5180, 0.1612, 0.0679



16.7684, 0.2980, 0.3122



6.5736, 0.1618, 0.1024



0.7533, 0.1686, 0.1269

Previews

White Background



This preview shows how the Yxy color 48.2071, 0.4834, 0.4517 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 48.2071, 0.4834, 0.4517 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 48.2071, 0.4834, 0.4517

Background



This preview shows how black text looks on a background with the Yxy color 48.2071, 0.4834, 0.4517.



This preview shows how white text looks on a background with the Yxy color 48.2071, 0.4834, 0.4517.

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

48.2071, 0.4834, 0.4517

Protanopia

48.3003, 0.4390, 0.4845

Deuteranopia

48.1524, 0.4732, 0.4625



Tritanopia

48.2458, 0.3904, 0.3164

Trichromacy



Original Color

48.2071, 0.4834, 0.4517

Protanomaly

48.0521, 0.4550, 0.4729

Deuteranomaly

48.2854, 0.4762, 0.4591

Tritanomaly

47.3431, 0.4418, 0.3818

Monochromacy



Original Color

48.2071, 0.4834, 0.4517

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.2671, 0.3878, 0.4035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2071, 0.4834, 0.4517 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, 171, 12)` looks like.

```
.text, #text, p{  
    color:rgb(243, 171, 12)  
}
```

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, 171, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 171, 12) }
```

Border

The CSS property to change the border of an element to Yxy 48.2071, 0.4834, 0.4517 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, 171, 12) }
```

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

```
.border{ border-color:rgb(243, 171, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 171, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 171, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 171, 12);  
box-shadow:4px 4px 4px 4px rgb(243, 171,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2071, 0.4834, 0.4517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 171, 12) }
```

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

```
.background{ background-color: rgb(243,  
171, 12) }
```

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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