

Converting Colors

$Y_{xy}(24.7061, 0.5088, 0.4418)$

Have a look what the booklet for
Yxy(24.7061, 0.5088, 0.4418)
contains.

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Color

Yxy(24.6394, 0.5050, 0.4373)

Conversions

Conversions Part 1

Format	Color
Hex	C07800
RGB	192, 120, 0
RGB Percent	75%, 47%, 0%
CMY	0.2471, 0.5294, 1.0000
CMYK	0.00, 0.37, 1.00, 0.25
HSL	38°, 100%, 38%
HSV	38°, 100%, 75%
XYZ	28.4539, 24.6394, 3.2511
YIQ	127.8480, 81.4320, -22.0560

Conversions

Conversions Part 2

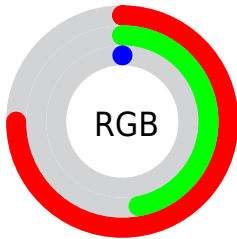
Format	Color
R_{YB}	115, 192, 0
Decimal	12613632
CIE Lab	56.72, 21.02, 63.34
CIE LCh	57, 66.734, 71.638
Yxy	24.6394, 0.5050, 0.4373
Android (android.graphics.Color)	4290803712 (0xFFC07800)
YUV	127.8480, -63.0291, 56.2613
Hunter-Lab	49.6381, 15.4544, 30.8634

Details

The Yxy color **24.6394, 0.5050, 0.4373** is a dark color, and the websafe version is hex **996600**. The color can be described as dark washed orange. A complement of this color would be **8.4394, 0.1663, 0.1186**, and the grayscale version is **21.7337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9811, 0.4728, 0.4256**, and **9.4930, 0.5272, 0.4196** is the 20% darker color. If you saturate the color by 10%, you get **24.6411, 0.5050, 0.4373**, and if you desaturate by 10%, it is **26.4862, 0.4901, 0.4404**.

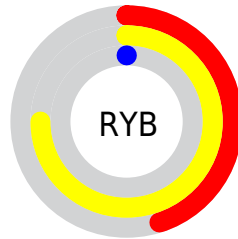
Distribution



Red (75%)

Green (47%)

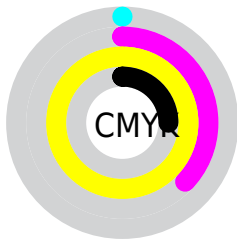
Blue (0%)



Red (45%)

Yellow (75%)

Blue (0%)

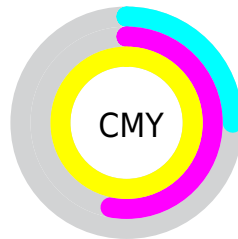


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6394, 0.5050, 0.4373 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 24.6394, 0.5050, 0.4373 by changing the saturation by 10% instead.


 24.6394, 0.5050,
0.4373


 24.6394, 0.5050,
0.4373


276.0373, 0.4082,
0.3931


 15.8086, 0.5248,
0.4410


 51.0716, 0.4721,
0.4259


 9.3888, 0.5535,
0.4465


 69.4418, 0.4588,
0.4200


 4.9957, 0.5680,
0.4320

 91.7606, 0.4473,
0.4145

 2.2447, 0.5905,
0.4095

 118.4124, 0.4373,
0.4094

 0.7442, 0.6324,
0.3676

 149.7816, 0.4286,
0.4047

 0.0000, 1.0000,
0.0000


 186.2525, 0.4210,

 0.0000, 0.0000,


0.4005


0.0000


 228.2097, 0.4142,
0.3966

 24.6394, 0.5050,
0.4373


 24.6394, 0.5050,
0.4373


 24.6411, 0.5050,
0.4373

 26.4862, 0.4901,
0.4404

 28.5115, 0.4724,
0.4390

 30.7364, 0.4520,
0.4327

 33.1723, 0.4300,
0.4222

 35.8289, 0.4077,
0.4087

■ 38.7151, 0.3858,
0.3933

■ 41.8391, 0.3650,
0.3769

■ 45.2083, 0.3459,
0.3604

■ 48.8301, 0.3284,
0.3444

Harmonies

Analogous

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



24.6394, 0.5335, 0.3605



24.6394, 0.5050, 0.4373



24.6394, 0.4267, 0.5121

Triad

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



24.6394, 0.5050, 0.4373



24.6394, 0.1598, 0.3390



24.6394, 0.2624, 0.1856

Complementary

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



24.6394, 0.5050, 0.4373



8.4394, 0.1663, 0.1186

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.



24.6394, 0.1824, 0.1692



24.6394, 0.5050, 0.4373



24.6394, 0.1325, 0.2344

Square

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



24.6394, 0.5050, 0.4373



24.6394, 0.2288, 0.4738



24.6394, 0.1407, 0.1823



24.6394, 0.3765, 0.2281

Rectangle

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



24.6394, 0.5050, 0.4373



24.6394, 0.3613, 0.5422



24.6394, 0.1407, 0.1823



24.6394, 0.2312, 0.1771

Sweetspot

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



24.6411, 0.5050, 0.4373



75.5286, 0.3660, 0.3777



11.6954, 0.5452, 0.2777



15.6777, 0.3747, 0.3847



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.6411, 0.5050, 0.4373



44.1488, 0.5066, 0.4359



46.2004, 0.3989, 0.5215



11.1030, 0.3274, 0.3434



16.7345, 0.5036, 0.4384



0.8519, 0.4801, 0.4570

Inverse Universe

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



8.4394, 0.1663, 0.1186



14.8485, 0.1655, 0.1158



3.9809, 0.1541, 0.0622



10.3530, 0.2984, 0.3142



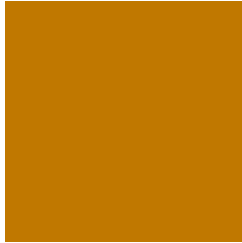
5.8175, 0.1669, 0.1209



0.3841, 0.1797, 0.1670

Previews

White Background



This preview shows how the Yxy color 24.6394, 0.5050, 0.4373 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6394, 0.5050, 0.4373 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.6394, 0.5050, 0.4373

Background



This preview shows how black text looks on a background with the Yxy color 24.6394, 0.5050, 0.4373.



This preview shows how white text looks on a background with the Yxy color 24.6394, 0.5050, 0.4373.

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

24.6394, 0.5050, 0.4373

Protanopia

24.7931, 0.4368, 0.4845

Deuteranopia

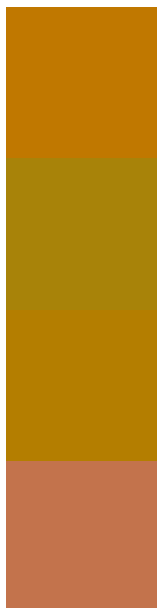
24.8495, 0.4710, 0.4642



Tritanopia

24.8147, 0.4136, 0.3186

Trichromacy



Original Color

24.6394, 0.5050, 0.4373

Protanomaly

24.5772, 0.4621, 0.4671

Deuteranomaly

24.6250, 0.4843, 0.4537

Tritanomaly

24.3854, 0.4657, 0.3793

Monochromacy



Original Color

24.6394, 0.5050, 0.4373

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.8406, 0.3976, 0.4023

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6394, 0.5050, 0.4373 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(192, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(192, 120, 0)  
}
```

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(192, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 120, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.6394, 0.5050, 0.4373 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(192, 120, 0) }
```

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

```
.border{ border-color:rgb(192, 120, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 120, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(192, 120,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6394, 0.5050, 0.4373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 120, 0) }
```

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

```
.background{ background-color: rgb(192,  
120, 0) }
```

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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