

Converting Colors

$Y_{xy}(24.5914, 0.5035, 0.4367)$

Have a look what the booklet for
Yxy(24.5914, 0.5035, 0.4367)
contains.

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Color

Yxy(24.5181, 0.5031, 0.4370)

Conversions

Conversions Part 1

Format	Color
Hex	BF7804
RGB	191, 120, 4
RGB Percent	75%, 47%, 2%
CMY	0.2509, 0.5294, 0.9841
CMYK	0.00, 0.37, 0.98, 0.25
HSL	37°, 96%, 38%
HSV	37°, 98%, 75%
XYZ	28.2267, 24.5181, 3.3607
YIQ	128.0050, 79.5520, -21.0240

Conversions

Conversions Part 2

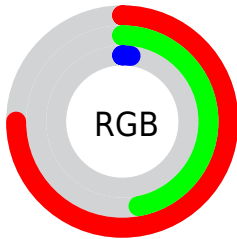
Format	Color
R_{YB}	118, 191, 4
Decimal	12548100
CIE _{Lab}	56.60, 20.64, 62.44
CIE _{LCh}	57, 65.765, 71.705
Yxy	24.5181, 0.5031, 0.4370
Android (android.graphics.Color)	4290738180 (0xFFBF7804)
YUV	128.0050, -61.1345, 55.2466
Hunter-Lab	49.5158, 15.1021, 30.6369

Details

The Yxy color **24.5181, 0.5031, 0.4370** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.8283, 0.1683, 0.1240**, and the grayscale version is **21.7864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8174, 0.4709, 0.4248**, and **9.4120, 0.5259, 0.4206** is the 20% darker color. If you saturate the color by 10%, you get **24.1438, 0.5063, 0.4362**, and if you desaturate by 10%, it is **26.3847, 0.4876, 0.4396**.

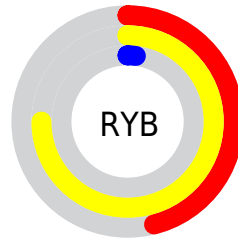
Distribution



Red (75%)

Green (47%)

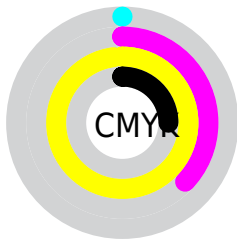
Blue (2%)



Red (46%)

Yellow (75%)

Blue (2%)

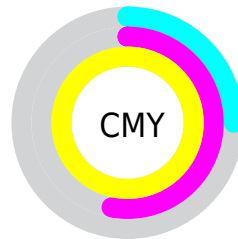


Cyan (0%)

Magenta (37%)

Yellow (98%)

Black (25%)



Cyan (25%)


Magenta (53%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5181, 0.5031, 0.4370 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 24.5181, 0.5031, 0.4370 by changing the saturation by 10% instead.


 24.5181, 0.5031,
0.4370


 24.5181, 0.5031,
0.4370


275.4295, 0.4069,
0.3924


 15.7184, 0.5230,
0.4411


 50.8744, 0.4702,
0.4253

 9.3251, 0.5512,
0.4465


 69.1997, 0.4570,
0.4193

 4.9538, 0.5668,
0.4332


 91.4690, 0.4456,
0.4138

 2.2202, 0.5891,
0.4109

 118.0667, 0.4357,
0.4086

 0.7310, 0.6313,
0.3687

 149.3773, 0.4271,
0.4040

 0.0000, 1.0000,
0.0000

 185.7850, 0.4195,

 0.0000, 0.0000,

0.3997

0.0000

227.6742, 0.4129,
0.3959

24.5181, 0.5031,
0.4370

24.5181, 0.5031,
0.4370

24.1438, 0.5063,
0.4362

26.3847, 0.4876,
0.4396

28.4380, 0.4690,
0.4372

30.6943, 0.4480,
0.4300

33.1645, 0.4257,
0.4189

35.8581, 0.4032,
0.4050

■ 38.7839, 0.3814,
0.3894

■ 41.9497, 0.3609,
0.3731

■ 45.3633, 0.3420,
0.3568

■ 49.0314, 0.3249,
0.3409

Harmonies

Analogous

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



24.5181, 0.5310, 0.3608



24.5181, 0.5031, 0.4370



24.5181, 0.4258, 0.5106

Triad

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



24.5181, 0.5031, 0.4370



24.5181, 0.1613, 0.3388



24.5181, 0.2633, 0.1871

Complementary

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



24.5181, 0.5031, 0.4370



8.8283, 0.1683, 0.1240

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.



24.5181, 0.1839, 0.1707



24.5181, 0.5031, 0.4370



24.5181, 0.1342, 0.2355

Square

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



24.5181, 0.5031, 0.4370



24.5181, 0.2298, 0.4713



24.5181, 0.1424, 0.1838



24.5181, 0.3761, 0.2293

Rectangle

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



24.5181, 0.5031, 0.4370



24.5181, 0.3610, 0.5396



24.5181, 0.1424, 0.1838



24.5181, 0.2324, 0.1786

Sweetspot

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



24.5194, 0.5031, 0.4370



74.1990, 0.3640, 0.3757



11.6835, 0.5390, 0.2759



15.7505, 0.3728, 0.3827



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.



24.5194, 0.5031, 0.4370



42.7523, 0.5080, 0.4349



45.7324, 0.3989, 0.5203



10.4951, 0.3273, 0.3432



16.0242, 0.5048, 0.4374



0.7501, 0.4793, 0.4576

Inverse Universe

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



8.8283, 0.1683, 0.1240



14.7331, 0.1659, 0.1173



4.0677, 0.1555, 0.0641



9.8034, 0.2984, 0.3144



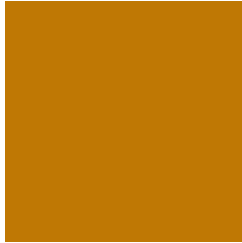
5.7089, 0.1674, 0.1225



0.3507, 0.1812, 0.1722

Previews

White Background



This preview shows how the Yxy color 24.5181, 0.5031, 0.4370 looks on a white background.

Color Contrast Check

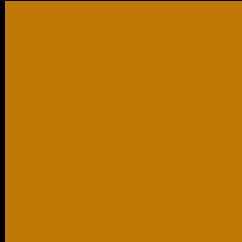
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5181, 0.5031, 0.4370 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 24.5181, 0.5031, 0.4370

Background



This preview shows how black text looks on a background with the Yxy color 24.5181, 0.5031, 0.4370.



This preview shows how white text looks on a background with the Yxy color 24.5181, 0.5031, 0.4370.

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

24.5181, 0.5031, 0.4370

Protanopia

24.7931, 0.4368, 0.4845

Deuteranopia

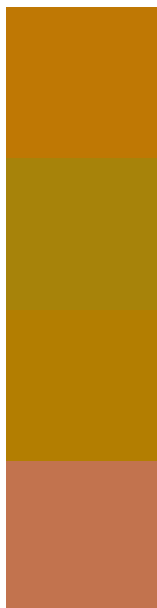
24.4712, 0.4714, 0.4639



Tritanopia

24.6802, 0.4124, 0.3185

Trichromacy



Original Color

24.5181, 0.5031, 0.4370

Protanomaly

24.4700, 0.4608, 0.4677

Deuteranomaly

24.5076, 0.4830, 0.4543

Tritanomaly

24.2809, 0.4623, 0.3773

Monochromacy



Original Color

24.5181, 0.5031, 0.4370

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.8711, 0.3953, 0.3992

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5181, 0.5031, 0.4370 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(191, 120, 4)` looks like.

```
.text, #text, p{  
    color:rgb(191, 120, 4)  
}
```

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(191, 120, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 120, 4) }
```

Border

The CSS property to change the border of an element to Yxy 24.5181, 0.5031, 0.4370 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(191, 120, 4) }
```

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

```
.border{ border-color:rgb(191, 120, 4) }
```

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

Here you see how a box with a 4 pixel rgb(191, 120, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 120, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 120, 4);  
box-shadow:4px 4px 4px 4px rgb(191, 120,  
4) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5181, 0.5031, 0.4370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 120, 4) }
```

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

```
.background{ background-color: rgb(191,  
120, 4) }
```

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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