

Converting Colors

$Y_{xy}(24.2950, 0.5058, 0.4366)$

Have a look what the booklet for
Yxy(24.2950, 0.5058, 0.4366)
contains.

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Color

$Y_{xy}(24.2700, 0.5055, 0.4368)$

Conversions

Conversions Part 1

Format	Color
Hex	BF7700
RGB	191, 119, 0
RGB Percent	75%, 47%, 0%
CMY	0.2509, 0.5334, 0.9997
CMYK	0.00, 0.38, 1.00, 0.25
HSL	37°, 100%, 37%
HSV	37°, 100%, 75%
XYZ	28.0872, 24.2700, 3.2060
YIQ	126.9620, 81.1110, -21.7450

Conversions

Conversions Part 2

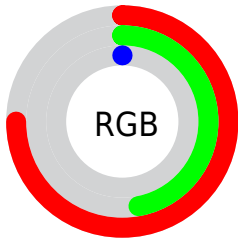
Format	Color
R_{YB}	116, 191, 0
Decimal	12547840
CIE _{Lab}	56.36, 21.15, 63.00
CIE _{LCh}	56, 66.452, 71.438
Yxy	24.2700, 0.5055, 0.4368
Android (android.graphics.Color)	4290737920 (0xFFBF7700)
YUV	126.9620, -62.5923, 56.1613
Hunter-Lab	49.2646, 15.5551, 30.6268

Details

The Yxy color **24.2700, 0.5055, 0.4368** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.4106, 0.1665, 0.1194**, and the grayscale version is **21.4113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4137, 0.4730, 0.4251**, and **9.2859, 0.5281, 0.4189** is the 20% darker color. If you saturate the color by 10%, you get **24.2649, 0.5055, 0.4368**, and if you desaturate by 10%, it is **26.0993, 0.4905, 0.4399**.

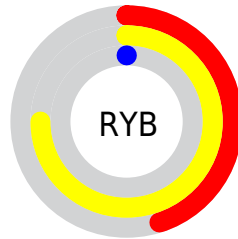
Distribution



Red (75%)

Green (47%)

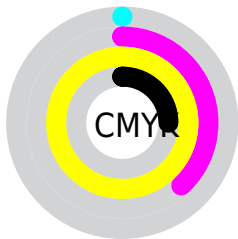
Blue (0%)



Red (45%)

Yellow (75%)

Blue (0%)

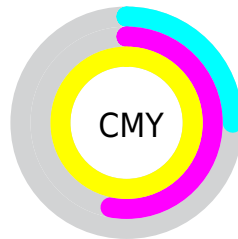


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.2700, 0.5055, 0.4368 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 24.2700, 0.5055, 0.4368 by changing the saturation by 10% instead.


 24.2700, 0.5055,
0.4368


 24.2700, 0.5055,
0.4368


274.1827, 0.4082,
0.3928


 15.5340, 0.5255,
0.4405


 50.4704, 0.4723,
0.4254

 9.1950, 0.5543,
0.4457


 68.7037, 0.4589,
0.4196

 4.8686, 0.5691,
0.4309

 90.8715, 0.4474,
0.4141

 2.1704, 0.5921,
0.4079

 117.3583, 0.4374,
0.4090

 0.7038, 0.6368,
0.3632

 148.5484, 0.4286,
0.4043

 0.0000, 1.0000,
0.0000

 184.8262, 0.4210,

 0.0000, 0.0000,


0.4001

0.0000


 226.5762, 0.4142,
0.3963


 24.2700, 0.5055,
0.4368

 24.2700, 0.5055,
0.4368


 24.2649, 0.5055,
0.4368

 26.0993, 0.4905,
0.4399

 28.1068, 0.4727,
0.4386

 30.3131, 0.4522,
0.4323

 32.7295, 0.4301,
0.4218

 35.3655, 0.4077,
0.4084

■ 38.2301, 0.3858,
0.3930

■ 41.3313, 0.3650,
0.3767

■ 44.6765, 0.3458,
0.3603

■ 48.2731, 0.3283,
0.3442

Harmonies

Analogous

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



24.2700, 0.5337, 0.3600



24.2700, 0.5055, 0.4368



24.2700, 0.4274, 0.5118

Triad

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



24.2700, 0.5055, 0.4368



24.2700, 0.1600, 0.3399



24.2700, 0.2617, 0.1853

Complementary

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



24.2700, 0.5055, 0.4368



8.4106, 0.1665, 0.1194

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.



24.2700, 0.1819, 0.1690



24.2700, 0.5055, 0.4368



24.2700, 0.1324, 0.2349

Square

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



24.2700, 0.5055, 0.4368



24.2700, 0.2293, 0.4747



24.2700, 0.1405, 0.1824



24.2700, 0.3758, 0.2277

Rectangle

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



24.2700, 0.5055, 0.4368



24.2700, 0.3619, 0.5422



24.2700, 0.1405, 0.1824



24.2700, 0.2306, 0.1769

Sweetspot

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



24.2713, 0.5055, 0.4368



73.7112, 0.3660, 0.3775



11.5653, 0.5450, 0.2776



15.6563, 0.3747, 0.3845



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.



24.2713, 0.5055, 0.4368



42.9645, 0.5072, 0.4355



45.6781, 0.3989, 0.5214



10.4992, 0.3273, 0.3433



16.1015, 0.5041, 0.4380



0.7528, 0.4788, 0.4580

Inverse Universe

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



8.4106, 0.1665, 0.1194



14.6191, 0.1657, 0.1166



3.9386, 0.1541, 0.0623



9.7993, 0.2984, 0.3143



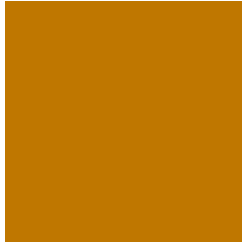
5.6659, 0.1672, 0.1218



0.3488, 0.1810, 0.1715

Previews

White Background



This preview shows how the Yxy color 24.2700, 0.5055, 0.4368 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 24.2700, 0.5055, 0.4368 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 24.2700, 0.5055, 0.4368

Background



This preview shows how black text looks on a background with the Yxy color 24.2700, 0.5055, 0.4368.



This preview shows how white text looks on a background with the Yxy color 24.2700, 0.5055, 0.4368.

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

24.2700, 0.5055, 0.4368

Protanopia

24.4123, 0.4369, 0.4844

Deuteranopia

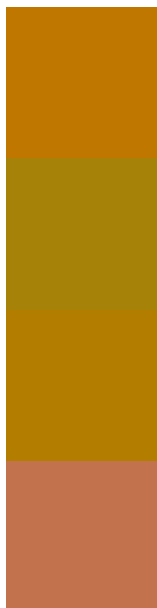
24.4712, 0.4714, 0.4639



Tritanopia

24.4366, 0.4143, 0.3186

Trichromacy



Original Color

24.2700, 0.5055, 0.4368

Protanomaly

24.2005, 0.4624, 0.4669

Deuteranomaly

24.2509, 0.4847, 0.4534

Tritanomaly

24.0258, 0.4656, 0.3783

Monochromacy



Original Color

24.2700, 0.5055, 0.4368

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.4934, 0.3970, 0.4012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2700, 0.5055, 0.4368 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, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 119, 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(191, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 119, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.2700, 0.5055, 0.4368 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, 119, 0) }
```

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

```
.border{ border-color:rgb(191, 119, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 119, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 119,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2700, 0.5055, 0.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 119, 0) }
```

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

```
.background{ background-color: rgb(191,  
119, 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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