

Converting Colors

$Y_{xy}(22.5558, 0.5054, 0.4257)$

Have a look what the booklet for
Yxy(22.5558, 0.5054, 0.4257)
contains.

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Color

Yxy(22.5558, 0.5054, 0.4257)

Conversions

Conversions Part 1

Format	Color
Hex	BC7115
RGB	188, 113, 21
RGB Percent	74%, 44%, 8%
CMY	0.2628, 0.5568, 0.9177
CMYK	0.00, 0.40, 0.89, 0.26
HSL	33°, 80%, 41%
HSV	33°, 89%, 74%
XYZ	26.7787, 22.5558, 3.6507
YIQ	124.9370, 74.2320, -12.7120

Conversions

Conversions Part 2

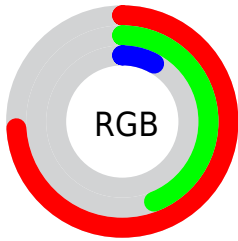
Format	Color
R _Y B	157, 188, 21
Decimal	12349717
CIE Lab	54.61, 23.42, 57.25
CIE LCh	55, 61.859, 67.751
Yxy	22.5558, 0.5054, 0.4257
Android (android.graphics.Color)	4290539797 (0xFFBC7115)
YUV	124.9370, -51.2409, 55.3063
Hunter-Lab	47.4929, 17.5339, 28.6876

Details

The Yxy color **22.5558, 0.5054, 0.4257** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **12.1500, 0.1811, 0.1622**, and the grayscale version is **20.6432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.5718, 0.4698, 0.4152**, and **8.3339, 0.5375, 0.4114** is the 20% darker color. If you saturate the color by 10%, you get **20.7108, 0.5238, 0.4212**, and if you desaturate by 10%, it is **24.6267, 0.4837, 0.4253**.

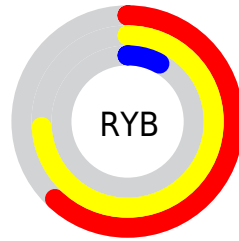
Distribution



Red (74%)

Green (44%)

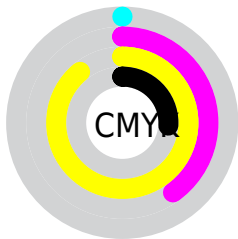
Blue (8%)



Red (62%)

Yellow (74%)

Blue (8%)

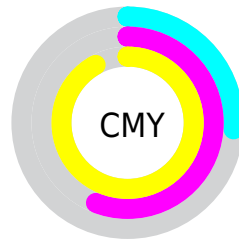


Cyan (0%)

Magenta (40%)

Yellow (89%)

Black (26%)



Cyan (26%)


Magenta (56%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5558, 0.5054, 0.4257 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 22.5558, 0.5054, 0.4257 by changing the saturation by 10% instead.


 22.5558, 0.5054,
0.4257


 22.5558, 0.5054,
0.4257


265.4352, 0.4049,
0.3855


 14.2659, 0.5277,
0.4291

 47.6629, 0.4699,
0.4151

 8.3058, 0.5585,
0.4327


 65.2489, 0.4561,
0.4098


 4.2912, 0.5808,
0.4192

 86.7023, 0.4442,
0.4047

 1.8378, 0.6081,
0.3919

 112.4076, 0.4341,
0.4001

 0.5106, 0.6782,
0.3218

 142.7491, 0.4253,
0.3959

 0.0000, 1.0000,
0.0000

 178.1113, 0.4176,

 0.0000, 0.0000,

0.3921

0.0000

218.8785, 0.4109,
0.3887

22.5558, 0.5054,
0.4257

22.5558, 0.5054,
0.4257

20.7108, 0.5238,
0.4212

24.6267, 0.4837,
0.4253

20.5086, 0.5260,
0.4206

26.9382, 0.4596,
0.4199

29.5040, 0.4345,
0.4105

32.3351, 0.4096,
0.3983

35.4416, 0.3860,
0.3844

■ 38.8328, 0.3641,
0.3697

■ 42.5176, 0.3443,
0.3551

■ 46.5044, 0.3266,
0.3409

■ 50.8010, 0.3110,
0.3275

Harmonies

Analogous

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



22.5558, 0.5229, 0.3518



22.5558, 0.5054, 0.4257



22.5558, 0.4355, 0.4981

Triad

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



22.5558, 0.5054, 0.4257



22.5558, 0.1721, 0.3556



22.5558, 0.2526, 0.1869

Complementary

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



22.5558, 0.5054, 0.4257



12.1500, 0.1811, 0.1622

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.



22.5558, 0.1799, 0.1745



22.5558, 0.5054, 0.4257



22.5558, 0.1399, 0.2490

Square

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



22.5558, 0.5054, 0.4257



22.5558, 0.2443, 0.4803



22.5558, 0.1435, 0.1920



22.5558, 0.3590, 0.2252

Rectangle

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



22.5558, 0.5054, 0.4257



22.5558, 0.3738, 0.5300



22.5558, 0.1435, 0.1920



22.5558, 0.2241, 0.1797

Sweetspot

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



22.5570, 0.5054, 0.4257



71.2831, 0.3612, 0.3677



12.0736, 0.4878, 0.2547



14.8603, 0.3683, 0.3727



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



22.5570, 0.5054, 0.4257



36.6731, 0.5281, 0.4189



45.6795, 0.4090, 0.5069



10.3843, 0.3275, 0.3416



14.1142, 0.5243, 0.4219



0.6817, 0.4927, 0.4470

Inverse Universe

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



12.1500, 0.1811, 0.1622



17.7134, 0.1717, 0.1382



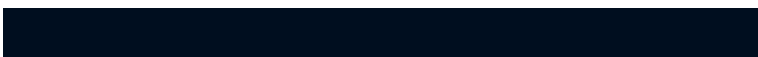
4.4324, 0.1585, 0.0713



9.9117, 0.2984, 0.3160



6.9767, 0.1731, 0.1432



0.4039, 0.1861, 0.1900

Previews

White Background



This preview shows how the Yxy color 22.5558, 0.5054, 0.4257 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 22.5558, 0.5054, 0.4257 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 22.5558, 0.5054, 0.4257

Background



This preview shows how black text looks on a background with the Yxy color 22.5558, 0.5054, 0.4257.



This preview shows how white text looks on a background with the Yxy color 22.5558, 0.5054, 0.4257.

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

22.5558, 0.5054, 0.4257

Protanopia

22.6031, 0.4330, 0.4771

Deuteranopia

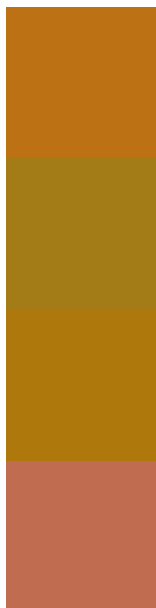
22.5420, 0.4698, 0.4608



Tritanopia

22.5019, 0.4213, 0.3184

Trichromacy



Original Color

22.5558, 0.5054, 0.4257

Protanomaly

22.2678, 0.4613, 0.4570

Deuteranomaly

22.4607, 0.4835, 0.4479

Tritanomaly

22.3807, 0.4632, 0.3663

Monochromacy



Original Color

22.5558, 0.5054, 0.4257

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.6588, 0.3894, 0.3873

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5558, 0.5054, 0.4257 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(188, 113, 21)` looks like.

```
.text, #text, p{  
    color:rgb(188, 113, 21)  
}
```

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(188, 113, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 113, 21) }
```

Border

The CSS property to change the border of an element to Yxy 22.5558, 0.5054, 0.4257 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(188, 113, 21) }
```

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

```
.border{ border-color:rgb(188, 113, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 113, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 113, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 113, 21);  
box-shadow:4px 4px 4px 4px rgb(188, 113,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5558, 0.5054, 0.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 113, 21) }
```

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

```
.background{ background-color: rgb(188,  
113, 21) }
```

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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