

Converting Colors

$Y_{xy}(22.2001, 0.5118, 0.4012)$

Have a look what the booklet for
Yxy(22.2001, 0.5118, 0.4012)
contains.

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Color

Yxy(22.1970, 0.5118, 0.4014)

Conversions

Conversions Part 1

Format	Color
Hex	C46A28
RGB	196, 106, 40
RGB Percent	77%, 42%, 16%
CMY	0.2314, 0.5843, 0.8431
CMYK	0.00, 0.46, 0.80, 0.23
HSL	25°, 66%, 46%
HSV	25°, 80%, 77%
XYZ	28.3020, 22.1970, 4.7999
YIQ	125.3860, 74.8260, -1.4460

Conversions

Conversions Part 2

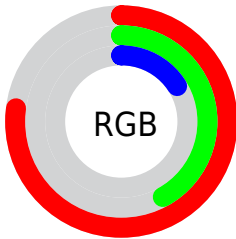
Format	Color
R_{YB}	196, 154, 40
Decimal	12872232
CIE _{Lab}	54.24, 31.15, 50.44
CIE _{LCh}	54, 59.284, 58.307
Yxy	22.1970, 0.5118, 0.4014
Android (android.graphics.Color)	4291062312 (0xFFC46A28)
YUV	125.3860, -42.0953, 61.9285
Hunter-Lab	47.1137, 24.7791, 26.9391

Details

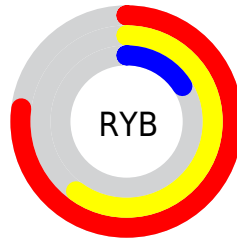
The Yxy color **22.1970, 0.5118, 0.4014** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **20.3999, 0.1994, 0.2161**, and the grayscale version is **20.7720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4519, 0.4708, 0.3954**, and **8.1605, 0.5601, 0.3935** is the 20% darker color. If you saturate the color by 10%, you get **19.9180, 0.5394, 0.3985**, and if you desaturate by 10%, it is **24.8533, 0.4813, 0.3992**.

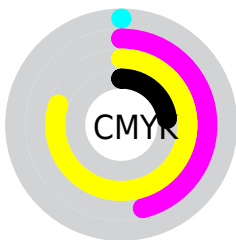
Distribution



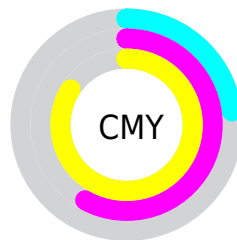
- Red (77%)
- Green (42%)
- Blue (16%)



- Red (77%)
- Yellow (60%)
- Blue (16%)



- Cyan (0%)
- Magenta (46%)
- Yellow (80%)
- Black (23%)





- Cyan (23%)
- Magenta (58%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.1970, 0.5118, 0.4014 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 22.1970, 0.5118, 0.4014 by changing the saturation by 10% instead.


 22.1970, 0.5118,
0.4014


 22.1970, 0.5118,
0.4014


263.5733, 0.4049,
0.3732


 14.0017, 0.5377,
0.4027


 47.0714, 0.4727,
0.3947

 8.1219, 0.5698,
0.4006


 64.5193, 0.4579,
0.3910

 4.1730, 0.6094,
0.3906

 85.8202, 0.4454,
0.3874

 1.7708, 0.6438,
0.3562

 111.3584, 0.4348,
0.3840

 0.4689, 0.7290,
0.2710

 141.5185, 0.4257,
0.3809

 0.0000, 1.0000,
0.0000

 176.6847, 0.4178,

 0.0000, 0.0000,

0.3781

0.0000

217.2416, 0.4110,
0.3755

■ 22.1970, 0.5118,
0.4014

■ 22.1970, 0.5118,
0.4014

■ 19.9180, 0.5394,
0.3985

■ 24.8533, 0.4813,
0.3992

■ 17.9842, 0.5628,
0.3909

■ 27.9036, 0.4503,
0.3929

■ 17.9117, 0.5637,
0.3906

■ 31.3674, 0.4205,
0.3838

■ 35.2616, 0.3931,
0.3730

■ 39.6020, 0.3686,
0.3616

■ 44.4035, 0.3470,
0.3501

■ 49.6803, 0.3283,
0.3390

■ 55.4457, 0.3121,
0.3286

■ 61.7126, 0.2982,
0.3189

Harmonies

Analogous

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



22.1970, 0.5064, 0.3306



22.1970, 0.5118, 0.4014



22.1970, 0.4579, 0.4735

Triad

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



22.1970, 0.5118, 0.4014



22.1970, 0.1949, 0.3942



22.1970, 0.2284, 0.1841

Complementary

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



22.1970, 0.5118, 0.4014



20.3999, 0.1994, 0.2161

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.



22.1970, 0.1689, 0.1808



22.1970, 0.5118, 0.4014



22.1970, 0.1507, 0.2797

Square

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



22.1970, 0.5118, 0.4014



22.1970, 0.2756, 0.5009



22.1970, 0.1435, 0.2091



22.1970, 0.3230, 0.2140

Rectangle

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



22.1970, 0.5118, 0.4014



22.1970, 0.4024, 0.5121



22.1970, 0.1435, 0.2091



22.1970, 0.2045, 0.1799

Sweetspot

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



22.1982, 0.5118, 0.4014



76.1725, 0.3569, 0.3556



14.8919, 0.4223, 0.2277



15.6408, 0.3649, 0.3597



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.



22.1982, 0.5118, 0.4014



33.2673, 0.5578, 0.3924



45.7558, 0.4239, 0.4839



10.7627, 0.3279, 0.3388



11.6719, 0.5613, 0.3925



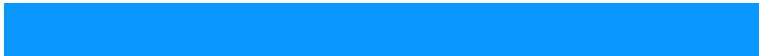
0.6406, 0.5221, 0.4237

Inverse Universe

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



20.3999, 0.1994, 0.2161



29.5546, 0.1860, 0.1875



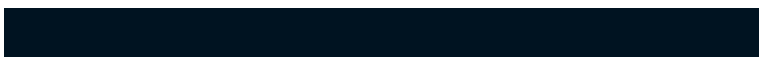
6.9827, 0.1682, 0.0969



10.6912, 0.2984, 0.3190



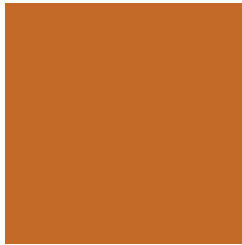
10.3328, 0.1849, 0.1857



0.5806, 0.1947, 0.2210

Previews

White Background



This preview shows how the Yxy color 22.1970, 0.5118, 0.4014 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 22.1970, 0.5118, 0.4014 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 22.1970, 0.5118, 0.4014

Background



This preview shows how black text looks on a background with the Yxy color 22.1970, 0.5118, 0.4014.



This preview shows how white text looks on a background with the Yxy color 22.1970, 0.5118, 0.4014.

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

22.1970, 0.5118, 0.4014

Protanopia

22.2735, 0.4199, 0.4600

Deuteranopia

22.4233, 0.4573, 0.4496



Tritanopia

22.1064, 0.4436, 0.3203

Trichromacy



Original Color

22.1970, 0.5118, 0.4014

Protanomaly

21.7491, 0.4544, 0.4373

Deuteranomaly

22.0801, 0.4792, 0.4304

Tritanomaly

22.1177, 0.4740, 0.3546

Monochromacy



Original Color

22.1970, 0.5118, 0.4014

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.3443, 0.3866, 0.3699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1970, 0.5118, 0.4014 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(196, 106, 40)` looks like.

```
.text, #text, p{  
    color:rgb(196, 106, 40)  
}
```

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(196, 106, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 106, 40) }
```

Border

The CSS property to change the border of an element to Yxy 22.1970, 0.5118, 0.4014 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(196, 106, 40) }
```

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

```
.border{ border-color:rgb(196, 106, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 106, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 106, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 106, 40);  
box-shadow:4px 4px 4px 4px rgb(196, 106,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1970, 0.5118, 0.4014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 106, 40) }
```

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

```
.background{ background-color: rgb(196,  
106, 40) }
```

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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