

Converting Colors

$Yxy(20.8476, 0.5199, 0.4254)$

Have a look what the booklet for
Yxy(20.8476, 0.5199, 0.4254)
contains.

Yxy(20.7472, 0.5204, 0.4250)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.7472, 0.5204, 0.4250)

Conversions

Conversions Part 1

Format	Color
Hex	BA6A00
RGB	186, 106, 0
RGB Percent	73%, 42%, 0%
CMY	0.2706, 0.5843, 1.0000
CMYK	0.00, 0.43, 1.00, 0.27
HSL	34°, 100%, 36%
HSV	34°, 100%, 73%
XYZ	25.4043, 20.7472, 2.6654
YIQ	117.8360, 81.7060, -16.0060

Conversions

Conversions Part 2

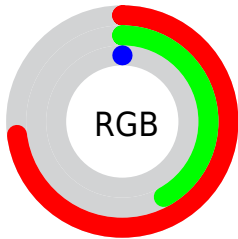
Format	Color
R _Y B	140, 186, 0
Decimal	12216832
CIE Lab	52.67, 26.08, 60.33
CIE LCh	53, 65.723, 66.622
Yxy	20.7472, 0.5204, 0.4250
Android (android.graphics.Color)	4290406912 (0xFFBA6A00)
YUV	117.8360, -58.0931, 59.7798
Hunter-Lab	45.5491, 19.8448, 28.4149

Details

The Yxy color **20.7472, 0.5204, 0.4250** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **9.2825, 0.1709, 0.1352**, and the grayscale version is **18.2296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7803, 0.4829, 0.4169**, and **7.4617, 0.5473, 0.4036** is the 20% darker color. If you saturate the color by 10%, you get **20.7483, 0.5204, 0.4250**, and if you desaturate by 10%, it is **22.5206, 0.5029, 0.4293**.

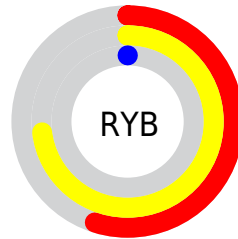
Distribution



Red (73%)

Green (42%)

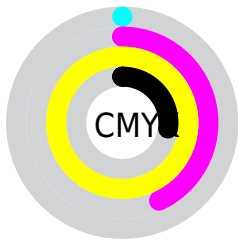
Blue (0%)



Red (55%)

Yellow (73%)

Blue (0%)

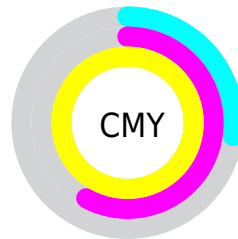


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7472, 0.5204, 0.4250 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 20.7472, 0.5204, 0.4250 by changing the saturation by 10% instead.


 20.7472, 0.5204,
0.4250


 20.7472, 0.5204,
0.4250


255.9319, 0.4123,
0.3877


 12.9393, 0.5435,
0.4260


 44.6664, 0.4827,
0.4166


 7.3868, 0.5746,
0.4254


 61.5466, 0.4678,
0.4117

 3.7052, 0.5951,
0.4049

 82.2196, 0.4550,
0.4069

 1.5100, 0.6280,
0.3720

 107.0699, 0.4440,
0.4024

 0.2958, 0.7567,
0.2433

 136.4819, 0.4344,
0.3982

 0.0000, 0.0000,
0.0000

 170.8400, 0.4261,

0.3944

210.5285, 0.4188,
0.3909

20.7472, 0.5204,
0.4250

20.7472, 0.5204,
0.4250

20.7483, 0.5204,
0.4250

22.5206, 0.5029,
0.4293

24.4942, 0.4826,
0.4291

26.6892, 0.4596,
0.4238

29.1172, 0.4353,
0.4144

31.7886, 0.4111,
0.4020

■ 34.7127, 0.3878,
0.3878

■ 37.8983, 0.3661,
0.3728

■ 41.3536, 0.3463,
0.3577

■ 45.0863, 0.3285,
0.3430

Harmonies

Analogous

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



20.7472, 0.5397, 0.3472



20.7472, 0.5204, 0.4250



20.7472, 0.4446, 0.5057

Triad

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



20.7472, 0.5204, 0.4250



20.7472, 0.1630, 0.3621



20.7472, 0.2435, 0.1764

Complementary

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



20.7472, 0.5204, 0.4250



9.2825, 0.1709, 0.1352

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.



20.7472, 0.1683, 0.1642



20.7472, 0.5204, 0.4250



20.7472, 0.1288, 0.2442

Square

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



20.7472, 0.5204, 0.4250



20.7472, 0.2404, 0.5010



20.7472, 0.1319, 0.1829



20.7472, 0.3576, 0.2157

Rectangle

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



20.7472, 0.5204, 0.4250



20.7472, 0.3786, 0.5455



20.7472, 0.1319, 0.1829



20.7472, 0.2137, 0.1692

Sweetspot

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



20.7483, 0.5204, 0.4250



68.3927, 0.3671, 0.3736



11.0276, 0.5242, 0.2661



14.5116, 0.3761, 0.3800



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.



20.7483, 0.5204, 0.4250



37.1155, 0.5224, 0.4234



44.0721, 0.4077, 0.5145



9.8388, 0.3274, 0.3420



14.1095, 0.5187, 0.4263



0.6177, 0.4866, 0.4518

Inverse Universe

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



9.2825, 0.1709, 0.1352



16.3649, 0.1701, 0.1323



3.6264, 0.1520, 0.0611



9.3377, 0.2985, 0.3156



6.3877, 0.1716, 0.1376



0.3486, 0.1859, 0.1892

Previews

White Background



This preview shows how the Yxy color 20.7472, 0.5204, 0.4250 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



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 20.7472, 0.5204, 0.4250

Background



This preview shows how black text looks on a background with the Yxy color 20.7472, 0.5204, 0.4250.



This preview shows how white text looks on a background with the Yxy color 20.7472, 0.5204, 0.4250.

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

20.7472, 0.5204, 0.4250

Protanopia

20.9640, 0.4349, 0.4841

Deuteranopia

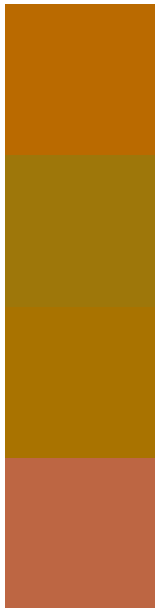
20.9065, 0.4710, 0.4642



Tritanopia

20.9114, 0.4328, 0.3198

Trichromacy



Original Color

20.7472, 0.5204, 0.4250

Protanomaly

20.4847, 0.4676, 0.4615

Deuteranomaly

20.6965, 0.4890, 0.4499

Tritanomaly

20.7268, 0.4831, 0.3743

Monochromacy



Original Color

20.7472, 0.5204, 0.4250

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.3823, 0.4027, 0.3977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7472, 0.5204, 0.4250 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(186, 106, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 106, 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(186, 106, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 106, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.7472, 0.5204, 0.4250 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(186, 106, 0) }
```

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

```
.border{ border-color:rgb(186, 106, 0) }
```

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

Here you see how a box with a 4 pixel rgb(186, 106, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 106, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 106, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 106,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7472, 0.5204, 0.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 106, 0) }
```

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

```
.background{ background-color: rgb(186,  
106, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor