

Converting Colors

$Y_{xy}(20.9395, 0.5225, 0.4195)$

Have a look what the booklet for
Yxy(20.9395, 0.5225, 0.4195)
contains.

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Color

Yxy(20.9395, 0.5225, 0.4195)

Conversions

Conversions Part 1

Format	Color
Hex	BD6908
RGB	189, 105, 8
RGB Percent	74%, 41%, 3%
CMY	0.2588, 0.5882, 0.9688
CMYK	0.00, 0.44, 0.96, 0.26
HSL	32°, 92%, 39%
HSV	32°, 96%, 74%
XYZ	26.0808, 20.9395, 2.8951
YIQ	119.0580, 81.2010, -12.3590

Conversions

Conversions Part 2

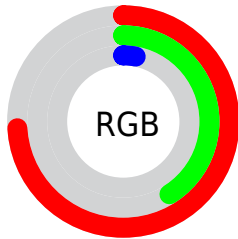
Format	Color
RYB	165, 189, 8
Decimal	12413192
CIELab	52.88, 28.00, 59.07
CIElCh	53, 65.370, 64.638
Yxy	20.9395, 0.5225, 0.4195
Android (android.graphics.Color)	4290603272 (0xFFBD6908)
YUV	119.0580, -54.7516, 61.3391
Hunter-Lab	45.7597, 21.6568, 28.2807

Details

The Yxy color **20.9395, 0.5225, 0.4195** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **11.3678, 0.1768, 0.1534**, and the grayscale version is **18.6237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0405, 0.4838, 0.4121**, and **7.4955, 0.5551, 0.3975** is the 20% darker color. If you saturate the color by 10%, you get **20.1885, 0.5304, 0.4171**, and if you desaturate by 10%, it is **22.8809, 0.5026, 0.4232**.

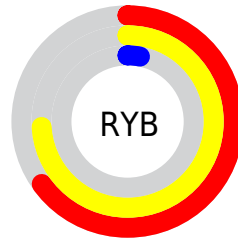
Distribution



Red (74%)

Green (41%)

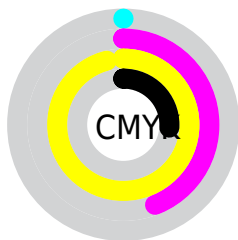
Blue (3%)



Red (65%)

Yellow (74%)

Blue (3%)

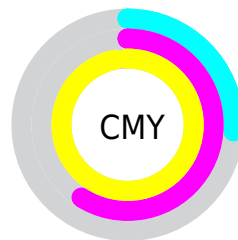


Cyan (0%)

Magenta (44%)

Yellow (96%)

Black (26%)



Cyan (26%)


Magenta (59%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9395, 0.5225, 0.4195 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 20.9395, 0.5225, 0.4195 by changing the saturation by 10% instead.


 20.9395, 0.5225,
0.4195

 20.9395, 0.5225,
0.4195


256.9568, 0.4127,
0.3850

 13.0798, 0.5465,
0.4201


 44.9868, 0.4839,
0.4120

 7.4835, 0.5802,
0.4198


 61.9432, 0.4687,
0.4075


 3.7663, 0.6017,
0.3983

 82.7006, 0.4558,
0.4030

 1.5437, 0.6359,
0.3641

 107.6435, 0.4446,
0.3988

 0.3192, 0.7572,
0.2428


 137.1561, 0.4350,
0.3949


 0.0000, 0.0000,
0.0000


 171.6229, 0.4266,

0.3913

 211.4284, 0.4192,
0.3880


 20.9395, 0.5225,
0.4195


 20.9395, 0.5225,
0.4195


 20.1885, 0.5304,
0.4171

 22.8809, 0.5026,
0.4232

 25.0664, 0.4793,
0.4216

 27.5120, 0.4540,
0.4151

 30.2302, 0.4282,
0.4051

 33.2323, 0.4031,
0.3925

■ 36.5289, 0.3796,
0.3787

■ 40.1296, 0.3581,
0.3643

■ 44.0436, 0.3388,
0.3502

■ 48.2797, 0.3217,
0.3365

Harmonies

Analogous

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



20.9395, 0.5365, 0.3425



20.9395, 0.5225, 0.4195



20.9395, 0.4501, 0.4998

Triad

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



20.9395, 0.5225, 0.4195



20.9395, 0.1679, 0.3714



20.9395, 0.2378, 0.1757

Complementary

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



20.9395, 0.5225, 0.4195



11.3678, 0.1768, 0.1534

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.



20.9395, 0.1658, 0.1654



20.9395, 0.5225, 0.4195



20.9395, 0.1309, 0.2509

Square

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



20.9395, 0.5225, 0.4195



20.9395, 0.2474, 0.5064



20.9395, 0.1317, 0.1865



20.9395, 0.3491, 0.2131

Rectangle

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



20.9395, 0.5225, 0.4195



20.9395, 0.3853, 0.5412



20.9395, 0.1317, 0.1865



20.9395, 0.2092, 0.1691

Sweetspot

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



20.9406, 0.5225, 0.4195



69.4459, 0.3657, 0.3696



11.7711, 0.4996, 0.2555



14.3462, 0.3750, 0.3757



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.



20.9406, 0.5225, 0.4195



35.6737, 0.5325, 0.4154



46.4733, 0.4129, 0.5082



10.3606, 0.3275, 0.3413



13.7384, 0.5285, 0.4185



0.6678, 0.4957, 0.4446

Inverse Universe

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



11.3678, 0.1768, 0.1534



18.5159, 0.1730, 0.1429



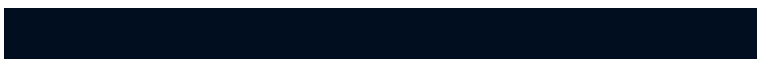
3.9396, 0.1530, 0.0638



9.9352, 0.2984, 0.3164



7.2820, 0.1744, 0.1480



0.4162, 0.1872, 0.1939

Previews

White Background



This preview shows how the Yxy color 20.9395, 0.5225, 0.4195 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 20.9395, 0.5225, 0.4195 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 20.9395, 0.5225, 0.4195

Background



This preview shows how black text looks on a background with the Yxy color 20.9395, 0.5225, 0.4195.



This preview shows how white text looks on a background with the Yxy color 20.9395, 0.5225, 0.4195.

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

20.9395, 0.5225, 0.4195

Protanopia

21.0589, 0.4355, 0.4822

Deuteranopia

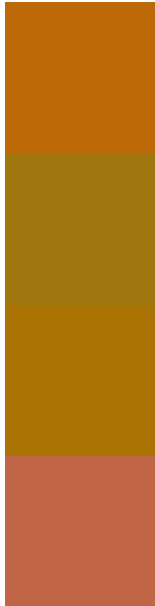
20.9065, 0.4710, 0.4642



Tritanopia

21.0927, 0.4386, 0.3200

Trichromacy



Original Color

20.9395, 0.5225, 0.4195

Protanomaly

20.6989, 0.4688, 0.4583

Deuteranomaly

20.9260, 0.4904, 0.4473

Tritanomaly

20.9560, 0.4837, 0.3687

Monochromacy



Original Color

20.9395, 0.5225, 0.4195

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.5284, 0.3991, 0.3906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9395, 0.5225, 0.4195 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(189, 105, 8)` looks like.

```
.text, #text, p{  
    color:rgb(189, 105, 8)  
}
```

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(189, 105, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 105, 8) }
```

Border

The CSS property to change the border of an element to Yxy 20.9395, 0.5225, 0.4195 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(189, 105, 8) }
```

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

```
.border{ border-color:rgb(189, 105, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 105, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 105, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 105, 8);  
box-shadow:4px 4px 4px 4px rgb(189, 105,  
8) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9395, 0.5225, 0.4195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 105, 8) }
```

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

```
.background{ background-color: rgb(189,  
105, 8) }
```

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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