

Converting Colors

$Y_{xy}(22.1242, 0.5362, 0.4080)$

Have a look what the booklet for
Yxy(22.1242, 0.5362, 0.4080)
contains.

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Color

Yxy(22.1399, 0.5353, 0.4088)

Conversions

Conversions Part 1

Format	Color
Hex	C9670A
RGB	201, 103, 10
RGB Percent	79%, 40%, 4%
CMY	0.2118, 0.5960, 0.9615
CMYK	0.00, 0.49, 0.95, 0.21
HSL	29°, 91%, 41%
HSV	29°, 95%, 79%
XYZ	28.9909, 22.1399, 3.0274
YIQ	121.7000, 88.2610, -8.1470

Conversions

Conversions Part 2

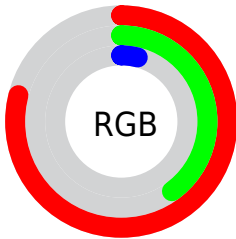
Format	Color
R_{YB}	201, 191, 10
Decimal	13199114
CIE Lab	54.18, 34.09, 60.40
CIE LCh	54, 69.359, 60.558
Yxy	22.1399, 0.5353, 0.4088
Android (android.graphics.Color)	4291389194 (0xFFC9670A)
YUV	121.7000, -55.0681, 69.5461
Hunter-Lab	47.0531, 27.6368, 29.1224

Details

The Yxy color **22.1399, 0.5353, 0.4088** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **14.9657, 0.1813, 0.1695**, and the grayscale version is **19.5154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1324, 0.4883, 0.4078**, and **8.1217, 0.5718, 0.3842** is the 20% darker color. If you saturate the color by 10%, you get **21.1474, 0.5452, 0.4053**, and if you desaturate by 10%, it is **24.3905, 0.5130, 0.4135**.

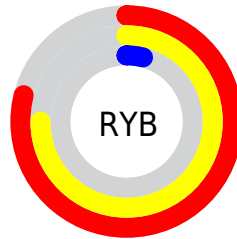
Distribution



Red (79%)

Green (40%)

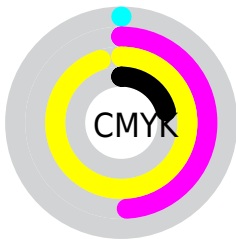
Blue (4%)



Red (79%)

Yellow (75%)

Blue (4%)

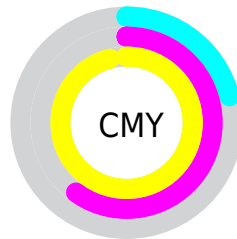


Cyan (0%)

Magenta (49%)

Yellow (95%)

Black (21%)



Cyan (21%)


Magenta (60%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1399, 0.5353, 0.4088 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 22.1399, 0.5353, 0.4088 by changing the saturation by 10% instead.


 22.1399, 0.5353,
0.4088


 22.1399, 0.5353,
0.4088


263.2760, 0.4196,
0.3820


 13.9597, 0.5605,
0.4071


 46.9771, 0.4948,
0.4045


 8.0927, 0.5959,
0.4041

 64.4029, 0.4788,
0.4011

 4.1543, 0.6197,
0.3803

 85.6795, 0.4652,
0.3975

 1.7602, 0.6565,
0.3435

 111.1910, 0.4534,
0.3940

 0.4622, 0.7448,
0.2552

 141.3221, 0.4432,
0.3907

 0.0000, 1.0000,
0.0000


 176.4570, 0.4343,


 0.0000, 0.0000,


0.3876


0.0000

 216.9802, 0.4265,
0.3847

 22.1399, 0.5353,
0.4088


 22.1399, 0.5353,
0.4088


 21.1474, 0.5452,
0.4053

 24.3905, 0.5130,
0.4135

 26.9665, 0.4870,
0.4127

 29.8880, 0.4592,
0.4072

 33.1720, 0.4313,
0.3980

 36.8336, 0.4046,
0.3864

■ 40.8868, 0.3799,
0.3737

■ 45.3448, 0.3576,
0.3605

■ 50.2202, 0.3379,
0.3475

■ 55.5246, 0.3207,
0.3351

Harmonies

Analogous

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



22.1399, 0.5405, 0.3312



22.1399, 0.5353, 0.4088



22.1399, 0.4654, 0.4929

Triad

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



22.1399, 0.5353, 0.4088



22.1399, 0.1712, 0.3933



22.1399, 0.2223, 0.1680

Complementary

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



22.1399, 0.5353, 0.4088



14.9657, 0.1813, 0.1695

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.



22.1399, 0.1544, 0.1614



22.1399, 0.5353, 0.4088



22.1399, 0.1281, 0.2607

Square

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



22.1399, 0.5353, 0.4088



22.1399, 0.2577, 0.5289



22.1399, 0.1245, 0.1875



22.1399, 0.3326, 0.2027

Rectangle

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



22.1399, 0.5353, 0.4088



22.1399, 0.4000, 0.5414



22.1399, 0.1245, 0.1875



22.1399, 0.1949, 0.1626

Sweetspot

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



22.1411, 0.5353, 0.4088



74.2737, 0.3669, 0.3661



13.7257, 0.4789, 0.2440



15.2005, 0.3767, 0.3718



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.



22.1411, 0.5353, 0.4088



35.7502, 0.5474, 0.4036



52.7396, 0.4212, 0.5015



11.4761, 0.3278, 0.3403



13.4794, 0.5430, 0.4071



0.7832, 0.5106, 0.4328

Inverse Universe

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



14.9657, 0.1813, 0.1695



23.3726, 0.1774, 0.1587



4.5684, 0.1524, 0.0644



11.1714, 0.2983, 0.3175



8.9378, 0.1788, 0.1635



0.5679, 0.1891, 0.2007

Previews

White Background



This preview shows how the Yxy color 22.1399, 0.5353, 0.4088 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 22.1399, 0.5353, 0.4088 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 22.1399, 0.5353, 0.4088

Background



This preview shows how black text looks on a background with the Yxy color 22.1399, 0.5353, 0.4088.



This preview shows how white text looks on a background with the Yxy color 22.1399, 0.5353, 0.4088.

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

22.1399, 0.5353, 0.4088

Protanopia

22.2188, 0.4355, 0.4804

Deuteranopia

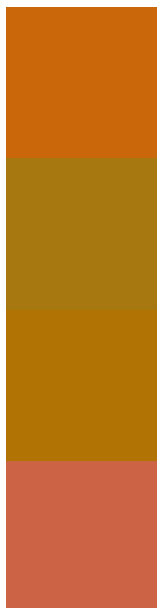
22.0584, 0.4711, 0.4641



Tritanopia

22.1624, 0.4574, 0.3220

Trichromacy



Original Color

22.1399, 0.5353, 0.4088

Protanomaly

21.6858, 0.4748, 0.4526

Deuteranomaly

21.8467, 0.4950, 0.4432

Tritanomaly

22.0375, 0.4997, 0.3654

Monochromacy



Original Color

22.1399, 0.5353, 0.4088

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.4349, 0.4053, 0.3866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1399, 0.5353, 0.4088 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(201, 103, 10)` looks like.

```
.text, #text, p{  
    color:rgb(201, 103, 10)  
}
```

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(201, 103, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 103, 10) }
```

Border

The CSS property to change the border of an element to Yxy 22.1399, 0.5353, 0.4088 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(201, 103, 10) }
```

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

```
.border{ border-color:rgb(201, 103, 10) }
```

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

Here you see how a box with a 4 pixel rgb(201, 103, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 103, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 103, 10);  
box-shadow:4px 4px 4px 4px rgb(201, 103,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1399, 0.5353, 0.4088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 103, 10) }
```

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

```
.background{ background-color: rgb(201,  
103, 10) }
```

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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