

Converting Colors

$Y_{xy}(21.2676, 0.5718, 0.4282)$

Have a look what the booklet for
Yxy(21.2676, 0.5718, 0.4282)
contains.

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Color

Yxy(21.4802, 0.5445, 0.4059)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | CA6300 |
| RGB | 202, 99, 0 |
| RGB Percent | 79%, 39%, 0% |
| CMY | 0.2079, 0.6117, 1.0000 |
| CMYK | 0.00, 0.51, 1.00, 0.21 |
| HSL | 29°, 100%, 40% |
| HSV | 29°, 100%, 79% |
| XYZ | 28.8149, 21.4802, 2.6248 |
| YIQ | 118.5110, 93.1670, -8.9530 |

Conversions

Conversions Part 2

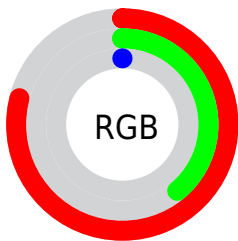
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 202, 194, 0 |
| Decimal | 13263616 |
| CIE Lab | 53.47, 36.45, 62.00 |
| CIE LCh | 53, 71.920, 59.553 |
| Yxy | 21.4802, 0.5445, 0.4059 |
| Android (android.graphics.Color) | 4291453696 (0xFFCA6300) |
| YUV | 118.5110, -58.4259, 73.2199 |
| Hunter-Lab | 46.3467, 29.8710, 29.0849 |

Details

The Yxy color **21.4802, 0.5445, 0.4059** 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 **13.9559, 0.1778, 0.1600**, and the grayscale version is **18.4531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7634, 0.4952, 0.4071**, and **7.8593, 0.5803, 0.3774** is the 20% darker color. If you saturate the color by 10%, you get **21.4816, 0.5445, 0.4059**, and if you desaturate by 10%, it is **23.6102, 0.5238, 0.4125**.

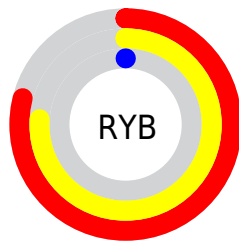
Distribution



Red (79%)

Green (39%)

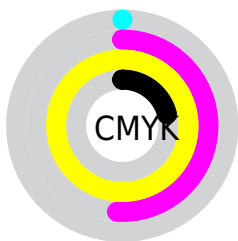
Blue (0%)



Red (79%)

Yellow (76%)

Blue (0%)

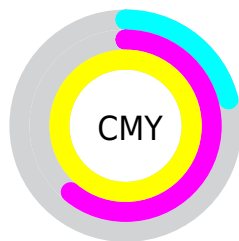


Cyan (0%)

Magenta (51%)

Yellow (100%)

Black (21%)



Cyan (21%)


Magenta (61%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4802, 0.5445, 0.4059 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 21.4802, 0.5445, 0.4059 by changing the saturation by 10% instead.


 21.4802, 0.5445,
0.4059


 21.4802, 0.5445,
0.4059


259.8196, 0.4243,
0.3823


 13.4755, 0.5703,
0.4027


 45.8854, 0.5027,
0.4034


 7.7568, 0.6041,
0.3959


 63.0546, 0.4861,
0.4004


 3.9397, 0.6298,
0.3702

 84.0474, 0.4719,
0.3972


 1.6399, 0.6695,
0.3305

 109.2482, 0.4596,
0.3939

 0.3843, 0.7753,
0.2247

 139.0415, 0.4490,
0.3907

 0.0000, 1.0000,
0.0000


 173.8115, 0.4397,


 0.0000, 0.0000,

0.3877


0.0000


 213.9428, 0.4315,
0.3849

 21.4802, 0.5445,
0.4059


 21.4802, 0.5445,
0.4059


 21.4816, 0.5445,
0.4059

 23.6102, 0.5238,
0.4125

 26.0499, 0.4996,
0.4143

 28.8275, 0.4726,
0.4109

 31.9610, 0.4446,
0.4033

 35.4663, 0.4173,
0.3927

■ 39.3579, 0.3916,
0.3803

■ 43.6495, 0.3682,
0.3672

■ 48.3540, 0.3472,
0.3539

■ 53.4835, 0.3288,
0.3411

Harmonies

Analogous

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



21.4802, 0.5490, 0.3269



21.4802, 0.5445, 0.4059



21.4802, 0.4719, 0.4938

Triad

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



21.4802, 0.5445, 0.4059



21.4802, 0.1674, 0.4015



21.4802, 0.2155, 0.1620

Complementary

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



21.4802, 0.5445, 0.4059



13.9559, 0.1778, 0.1600

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.



21.4802, 0.1475, 0.1560



21.4802, 0.5445, 0.4059



21.4802, 0.1225, 0.2603

Square

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



21.4802, 0.5445, 0.4059



21.4802, 0.2575, 0.5433



21.4802, 0.1182, 0.1835



21.4802, 0.3286, 0.1966

Rectangle

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



21.4802, 0.5445, 0.4059



21.4802, 0.4043, 0.5470



21.4802, 0.1182, 0.1835



21.4802, 0.1879, 0.1568

Sweetspot

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



21.4816, 0.5445, 0.4059



73.6083, 0.3691, 0.3677



13.5607, 0.4901, 0.2474



15.0749, 0.3788, 0.3734



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.



21.4816, 0.5445, 0.4059



35.9306, 0.5465, 0.4043



53.2237, 0.4223, 0.5029



12.1066, 0.3278, 0.3404



14.0034, 0.5424, 0.4076



0.8742, 0.5121, 0.4316

Inverse Universe

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



13.9559, 0.1778, 0.1600



23.1817, 0.1772, 0.1578



4.3364, 0.1503, 0.0609



11.7736, 0.2983, 0.3173



9.1612, 0.1784, 0.1624



0.6243, 0.1882, 0.1973

Previews

White Background



This preview shows how the Yxy color 21.4802, 0.5445, 0.4059 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 21.4802, 0.5445, 0.4059 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 21.4802, 0.5445, 0.4059

Background



This preview shows how black text looks on a background with the Yxy color 21.4802, 0.5445, 0.4059.



This preview shows how white text looks on a background with the Yxy color 21.4802, 0.5445, 0.4059.

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

21.4802, 0.5445, 0.4059

Protanopia

21.7639, 0.4350, 0.4822

Deuteranopia

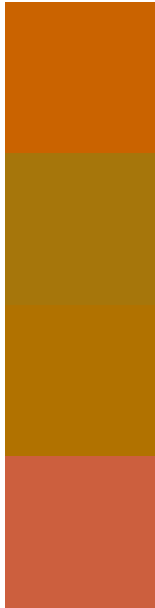
21.6004, 0.4703, 0.4648



Tritanopia

21.5153, 0.4673, 0.3221

Trichromacy



Original Color

21.4802, 0.5445, 0.4059

Protanomaly

21.0880, 0.4781, 0.4529

Deuteranomaly

21.3817, 0.4991, 0.4419

Tritanomaly

21.3696, 0.5119, 0.3663

Monochromacy



Original Color

21.4802, 0.5445, 0.4059

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.4997, 0.4115, 0.3905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4802, 0.5445, 0.4059 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(202, 99, 0)` looks like.

```
.text, #text, p{  
    color:rgb(202, 99, 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(202, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 99, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.4802, 0.5445, 0.4059 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(202, 99, 0) }
```

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

```
.border{ border-color:rgb(202, 99, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 99, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 99, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 99, 0);  
box-shadow:4px 4px 4px 4px rgb(202, 99, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.4802, 0.5445, 0.4059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 99, 0) }
```

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

```
.background{ background-color: rgb(202, 99,  
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](#).

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