

Converting Colors

$Y_{xy}(21.2230, 0.5276, 0.3957)$

Have a look what the booklet for
Yxy(21.2230, 0.5276, 0.3957)
contains.

Yxy(21.1813, 0.5281, 0.3952)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.1813, 0.5281, 0.3952)

Conversions

Conversions Part 1

Format	Color
Hex	C76322
RGB	199, 99, 34
RGB Percent	78%, 39%, 13%
CMY	0.2196, 0.6117, 0.8666
CMYK	0.00, 0.50, 0.83, 0.22
HSL	24°, 71%, 46%
HSV	24°, 83%, 78%
XYZ	28.3043, 21.1813, 4.1108
YIQ	121.4900, 80.4650, 0.9850

Conversions

Conversions Part 2

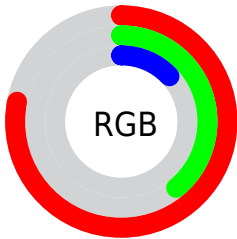
Format	Color
RYB	199, 141, 34
Decimal	13067042
CIELab	53.15, 35.84, 52.13
CIElCh	53, 63.260, 55.485
Yxy	21.1813, 0.5281, 0.3952
Android (android.graphics.Color)	4291257122 (0xFFC76322)
YUV	121.4900, -43.1326, 67.9763
Hunter-Lab	46.0231, 29.2371, 26.9203

Details

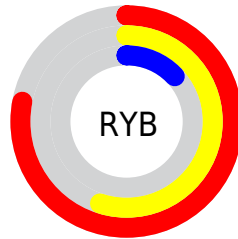
The Yxy color **21.1813, 0.5281, 0.3952** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **21.5168, 0.1986, 0.2192**, and the grayscale version is **19.4119, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0333, 0.4814, 0.3932**, and **7.5999, 0.5779, 0.3793** is the 20% darker color. If you saturate the color by 10%, you get **18.9816, 0.5554, 0.3899**, and if you desaturate by 10%, it is **23.7911, 0.4969, 0.3952**.

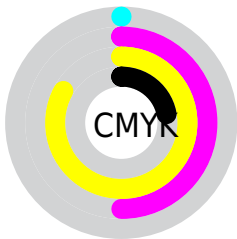
Distribution



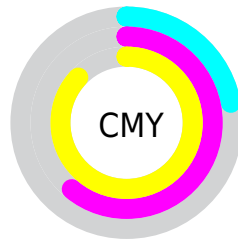
- Red (78%)
- Green (39%)
- Blue (13%)



- Red (78%)
- Yellow (55%)
- Blue (13%)



- Cyan (0%)
- Magenta (50%)
- Yellow (83%)
- Black (22%)





- Cyan (22%)
- Magenta (61%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1813, 0.5281, 0.3952 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 21.1813, 0.5281, 0.3952 by changing the saturation by 10% instead.

 21.1813, 0.5281,
0.3952


 21.1813, 0.5281,
0.3952


258.2404, 0.4123,
0.3723


 13.2566, 0.5558,
0.3941


 45.3891, 0.4859,
0.3912

 7.6055, 0.5922,
0.3898


 62.4409, 0.4698,
0.3882


 3.8436, 0.6288,
0.3712

 83.3039, 0.4563,
0.3852

 1.5864, 0.6687,
0.3313

 108.3625, 0.4448,
0.3822

 0.3484, 0.7835,
0.2165

 138.0011, 0.4349,
0.3795

 0.0000, 1.0000,
0.0000

 172.6040, 0.4263,

 0.0000, 0.0000,

0.3769

0.0000

212.5556, 0.4189,
0.3745

21.1813, 0.5281,
0.3952

21.1813, 0.5281,
0.3952

18.9816, 0.5554,
0.3899

23.7911, 0.4969,
0.3952

17.6466, 0.5722,
0.3839

26.8317, 0.4644,
0.3908

30.3258, 0.4328,
0.3832

34.2935, 0.4035,
0.3735

38.7532, 0.3772,
0.3630

■ 43.7224, 0.3542,
0.3522

■ 49.2174, 0.3343,
0.3417

■ 55.2541, 0.3172,
0.3318

■ 61.8473, 0.3026,
0.3225

Harmonies

Analogous

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



21.1813, 0.5173, 0.3217



21.1813, 0.5281, 0.3952



21.1813, 0.4728, 0.4733

Triad

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



21.1813, 0.5281, 0.3952



21.1813, 0.1922, 0.4126



21.1813, 0.2146, 0.1737

Complementary

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



21.1813, 0.5281, 0.3952



21.5168, 0.1986, 0.2192

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.



21.1813, 0.1559, 0.1725



21.1813, 0.5281, 0.3952



21.1813, 0.1427, 0.2841

Square

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



21.1813, 0.5281, 0.3952



21.1813, 0.2801, 0.5246



21.1813, 0.1326, 0.2049



21.1813, 0.3122, 0.2025

Rectangle

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



21.1813, 0.5281, 0.3952



21.1813, 0.4145, 0.5195



21.1813, 0.1326, 0.2049



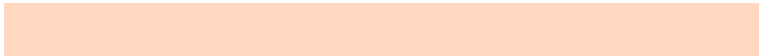
21.1813, 0.1907, 0.1701

Sweetspot

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



21.1825, 0.5281, 0.3952



74.3301, 0.3596, 0.3549



15.0578, 0.4186, 0.2207



15.2406, 0.3677, 0.3587



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.



21.1825, 0.5281, 0.3952



30.7672, 0.5725, 0.3829



44.8006, 0.4315, 0.4819



11.3109, 0.3280, 0.3381



11.5069, 0.5698, 0.3858



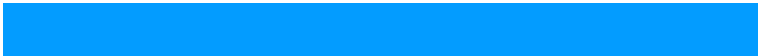
0.6855, 0.5314, 0.4163

Inverse Universe

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



21.5168, 0.1986, 0.2192



30.8646, 0.1871, 0.1932



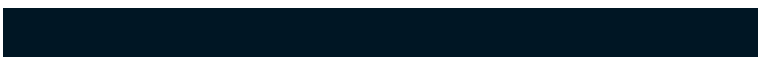
7.0341, 0.1655, 0.0950



11.3391, 0.2984, 0.3197



11.5587, 0.1877, 0.1958



0.6856, 0.1963, 0.2266

Previews

White Background



This preview shows how the Yxy color 21.1813, 0.5281, 0.3952 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 21.1813, 0.5281, 0.3952 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 21.1813, 0.5281, 0.3952

Background



This preview shows how black text looks on a background with the Yxy color 21.1813, 0.5281, 0.3952.



This preview shows how white text looks on a background with the Yxy color 21.1813, 0.5281, 0.3952.

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

21.1813, 0.5281, 0.3952

Protanopia

21.4381, 0.4219, 0.4651

Deuteranopia

21.3178, 0.4632, 0.4550



Tritanopia

21.2861, 0.4617, 0.3220

Trichromacy



Original Color

21.1813, 0.5281, 0.3952

Protanomaly

20.6491, 0.4628, 0.4381

Deuteranomaly

21.0081, 0.4886, 0.4314

Tritanomaly

21.1099, 0.4930, 0.3534

Monochromacy



Original Color

21.1813, 0.5281, 0.3952

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.9211, 0.3936, 0.3705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1813, 0.5281, 0.3952 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(199, 99, 34)` looks like.

```
.text, #text, p{  
    color:rgb(199, 99, 34)  
}
```

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(199, 99, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 99, 34) }
```

Border

The CSS property to change the border of an element to Yxy 21.1813, 0.5281, 0.3952 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(199, 99, 34) }
```

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

```
.border{ border-color:rgb(199, 99, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 99, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 99, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 99, 34);  
box-shadow:4px 4px 4px 4px rgb(199, 99,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1813, 0.5281, 0.3952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 99, 34) }
```

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

```
.background{ background-color: rgb(199, 99,  
34) }
```

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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