

Converting Colors

$Y_{xy}(20.0718, 0.5540, 0.3983)$

Have a look what the booklet for
Yxy(20.0718, 0.5540, 0.3983)
contains.

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Color

Yxy(20.0718, 0.5540, 0.3983)

Conversions

Conversions Part 1

Format	Color
Hex	C95C00
RGB	201, 92, 0
RGB Percent	79%, 36%, 0%
CMY	0.2117, 0.6392, 0.9998
CMYK	0.00, 0.54, 1.00, 0.21
HSL	27°, 100%, 39%
HSV	27°, 100%, 79%
XYZ	27.9181, 20.0718, 2.4038
YIQ	114.1030, 94.4960, -5.5040

Conversions

Conversions Part 2

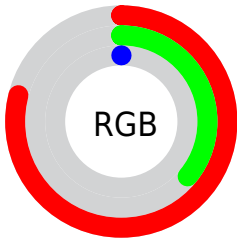
Format	Color
R_{YB}	201, 170, 0
Decimal	13196288
CIE _{Lab}	51.92, 39.62, 60.99
CIE _{LCh}	52, 72.731, 56.996
Yxy	20.0718, 0.5540, 0.3983
Android (android.graphics.Color)	4291386368 (0xFFC95C00)
YUV	114.1030, -56.2528, 76.2087
Hunter-Lab	44.8016, 32.8295, 28.1800

Details

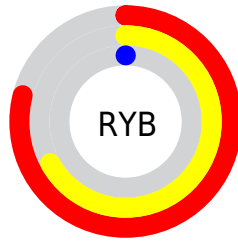
The Yxy color **20.0718, 0.5540, 0.3983** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **15.1687, 0.1809, 0.1713**, and the grayscale version is **17.0121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5654, 0.5027, 0.4010**, and **7.0748, 0.5934, 0.3670** is the 20% darker color. If you saturate the color by 10%, you get **20.0692, 0.5540, 0.3983**, and if you desaturate by 10%, it is **22.1509, 0.5320, 0.4055**.

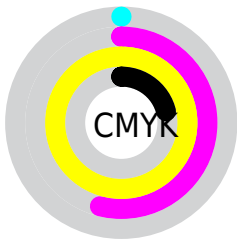
Distribution



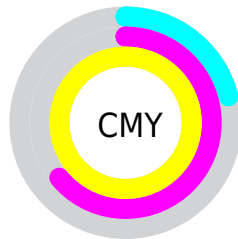
- Red (79%)
- Green (36%)
- Blue (0%)



- Red (79%)
- Yellow (67%)
- Blue (0%)



- Cyan (0%)
- Magenta (54%)
- Yellow (100%)
- Black (21%)





- Cyan (21%)
- Magenta (64%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0718, 0.5540, 0.3983 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 20.0718, 0.5540, 0.3983 by changing the saturation by 10% instead.


 20.0718, 0.5540,
0.3983

 20.0718, 0.5540,
0.3983


252.3035, 0.4274,
0.3795


 12.4472, 0.5817,
0.3934


 43.5375, 0.5096,
0.3979

 7.0490, 0.6167,
0.3833


 60.1475, 0.4922,
0.3956


 3.4928, 0.6457,
0.3543


 80.5214, 0.4772,
0.3929

 1.3941, 0.6906,
0.3094

 105.0436, 0.4643,
0.3900

 0.2124, 0.8510,
0.1490

 134.0985, 0.4532,
0.3872

 0.0000, 1.0000,
0.0000

 168.0706, 0.4435,

 0.0000, 0.0000,


0.3845


0.0000


 207.3441, 0.4349,
0.3819


 20.0718, 0.5540,
0.3983

 20.0718, 0.5540,
0.3983

 20.0692, 0.5540,
0.3983

 22.1509, 0.5320,
0.4055

 24.5646, 0.5062,
0.4080

 27.3426, 0.4775,
0.4053

 30.5044, 0.4481,
0.3984

 34.0675, 0.4195,
0.3886

■ 38.0478, 0.3928,
0.3770

■ 42.4605, 0.3688,
0.3647

■ 47.3197, 0.3475,
0.3523

■ 52.6386, 0.3289,
0.3403

Harmonies

Analogous

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



20.0718, 0.5524, 0.3190



20.0718, 0.5540, 0.3983



20.0718, 0.4825, 0.4884

Triad

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



20.0718, 0.5540, 0.3983



20.0718, 0.1691, 0.4184



20.0718, 0.2049, 0.1565

Complementary

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



20.0718, 0.5540, 0.3983



15.1687, 0.1809, 0.1713

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.



20.0718, 0.1396, 0.1528



20.0718, 0.5540, 0.3983



20.0718, 0.1199, 0.2672

Square

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



20.0718, 0.5540, 0.3983



20.0718, 0.2639, 0.5596



20.0718, 0.1129, 0.1837



20.0718, 0.3172, 0.1891

Rectangle

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



20.0718, 0.5540, 0.3983



20.0718, 0.4140, 0.5462



20.0718, 0.1129, 0.1837



20.0718, 0.1782, 0.1519

Sweetspot

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



20.0729, 0.5540, 0.3983



72.3356, 0.3698, 0.3652



13.5590, 0.4758, 0.2395



14.7749, 0.3798, 0.3705



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.



20.0729, 0.5540, 0.3983



33.9061, 0.5562, 0.3965



49.6673, 0.4284, 0.4981



11.4231, 0.3278, 0.3396



12.7951, 0.5517, 0.4002



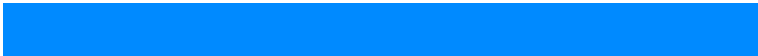
0.7502, 0.5171, 0.4276

Inverse Universe

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



15.1687, 0.1809, 0.1713



25.4915, 0.1803, 0.1691



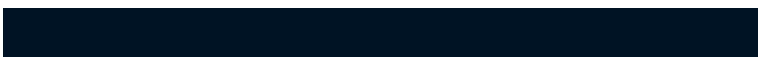
4.4371, 0.1508, 0.0628



11.2248, 0.2983, 0.3182



9.7184, 0.1816, 0.1737



0.6038, 0.1914, 0.2090

Previews

White Background



This preview shows how the Yxy color 20.0718, 0.5540, 0.3983 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 20.0718, 0.5540, 0.3983 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 20.0718, 0.5540, 0.3983

Background



This preview shows how black text looks on a background with the Yxy color 20.0718, 0.5540, 0.3983.



This preview shows how white text looks on a background with the Yxy color 20.0718, 0.5540, 0.3983.

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

20.0718, 0.5540, 0.3983

Protanopia

20.2864, 0.4340, 0.4822

Deuteranopia

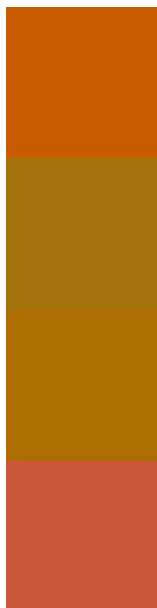
20.1250, 0.4705, 0.4646



Tritanopia

20.2483, 0.4812, 0.3235

Trichromacy



Original Color

20.0718, 0.5540, 0.3983

Protanomaly

19.5158, 0.4812, 0.4500

Deuteranomaly

19.8215, 0.5028, 0.4390

Tritanomaly

19.9814, 0.5232, 0.3620

Monochromacy



Original Color

20.0718, 0.5540, 0.3983

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.9001, 0.4166, 0.3866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0718, 0.5540, 0.3983 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, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(201, 92, 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(201, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 92, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.0718, 0.5540, 0.3983 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, 92, 0) }
```

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

```
.border{ border-color:rgb(201, 92, 0) }
```

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

Here you see how a box with a 4 pixel rgb(201, 92, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(201, 92, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.0718, 0.5540, 0.3983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 92, 0) }
```

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

```
.background{ background-color: rgb(201, 92,  
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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