

Converting Colors

$Y_{xy}(20.8462, 0.5796, 0.4204)$

Have a look what the booklet for
Yxy(20.8462, 0.5796, 0.4204)
contains.

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Color

Yxy(20.9845, 0.5539, 0.3984)

Conversions

Conversions Part 1

Format	Color
Hex	CD5E00
RGB	205, 94, 0
RGB Percent	80%, 37%, 0%
CMY	0.1962, 0.6313, 1.0000
CMYK	0.00, 0.54, 1.00, 0.20
HSL	28°, 100%, 40%
HSV	28°, 100%, 80%
XYZ	29.1750, 20.9845, 2.5125
YIQ	116.4730, 96.3300, -5.7020

Conversions

Conversions Part 2

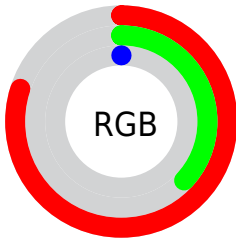
Format	Color
RYB	205, 174, 0
Decimal	13458944
CIELab	52.93, 40.16, 61.91
CIElCh	53, 73.795, 57.029
Yxy	20.9845, 0.5539, 0.3984
Android (android.graphics.Color)	4291649024 (0xFFCD5E00)
YUV	116.4730, -57.4212, 77.6382
Hunter-Lab	45.8088, 33.5186, 28.8143

Details

The Yxy color **20.9845, 0.5539, 0.3984** 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 **15.7653, 0.1808, 0.1707**, and the grayscale version is **17.7783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4863, 0.4998, 0.4039**, and **7.5674, 0.5925, 0.3678** is the 20% darker color. If you saturate the color by 10%, you get **20.9857, 0.5539, 0.3984**, and if you desaturate by 10%, it is **23.1558, 0.5320, 0.4057**.

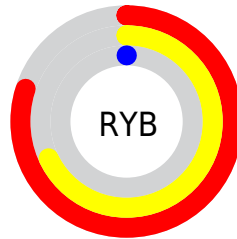
Distribution



Red (80%)

Green (37%)

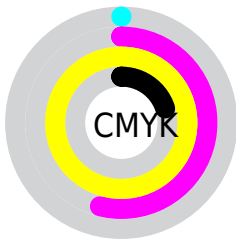
Blue (0%)



Red (80%)

Yellow (68%)

Blue (0%)

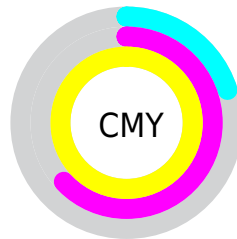


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (63%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9845, 0.5539, 0.3984 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 20.9845, 0.5539, 0.3984 by changing the saturation by 10% instead.


 20.9845, 0.5539,
0.3984


 20.9845, 0.5539,
0.3984


257.1961, 0.4283,
0.3798


 13.1127, 0.5810,
0.3936


 45.0617, 0.5101,
0.3980

 7.5062, 0.6159,
0.3841


 62.0359, 0.4928,
0.3958


 3.7806, 0.6440,
0.3560

 82.8130, 0.4779,
0.3931

 1.5516, 0.6871,
0.3129

 107.7775, 0.4651,
0.3903

 0.3246, 0.8087,
0.1913

 137.3136, 0.4540,
0.3875


 0.0000, 1.0000,
0.0000


 171.8058, 0.4444,


 0.0000, 0.0000,

0.3848


0.0000

 211.6385, 0.4358,
0.3822

 20.9845, 0.5539,
0.3984


 20.9845, 0.5539,
0.3984

 20.9857, 0.5539,
0.3984

 23.1558, 0.5320,
0.4057

 25.6764, 0.5063,
0.4083

 28.5772, 0.4777,
0.4056

 31.8785, 0.4482,
0.3987

 35.5987, 0.4196,
0.3888

■ 39.7545, 0.3930,
0.3772

■ 44.3615, 0.3689,
0.3648

■ 49.4347, 0.3476,
0.3524

■ 54.9878, 0.3289,
0.3404

Harmonies

Analogous

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



20.9845, 0.5524, 0.3191



20.9845, 0.5539, 0.3984



20.9845, 0.4824, 0.4884

Triad

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



20.9845, 0.5539, 0.3984



20.9845, 0.1690, 0.4182



20.9845, 0.2050, 0.1565

Complementary

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



20.9845, 0.5539, 0.3984



15.7653, 0.1808, 0.1707

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.



20.9845, 0.1397, 0.1528



20.9845, 0.5539, 0.3984



20.9845, 0.1199, 0.2671

Square

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



20.9845, 0.5539, 0.3984



20.9845, 0.2638, 0.5594



20.9845, 0.1129, 0.1836



20.9845, 0.3173, 0.1892

Rectangle

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



20.9845, 0.5539, 0.3984



20.9845, 0.4139, 0.5462



20.9845, 0.1129, 0.1836



20.9845, 0.1783, 0.1520

Sweetspot

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



20.9857, 0.5539, 0.3984



72.3809, 0.3698, 0.3653



14.1623, 0.4761, 0.2397



14.7856, 0.3798, 0.3706



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.



20.9857, 0.5539, 0.3984



33.9757, 0.5559, 0.3968



51.8845, 0.4284, 0.4981



12.0474, 0.3279, 0.3397



13.2531, 0.5515, 0.4003



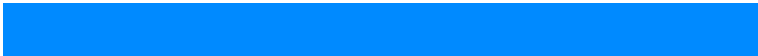
0.8349, 0.5192, 0.4260

Inverse Universe

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



15.7653, 0.1808, 0.1707



25.4055, 0.1802, 0.1687



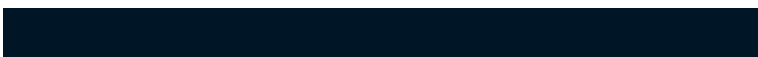
4.6292, 0.1508, 0.0627



11.8332, 0.2983, 0.3181



10.0091, 0.1814, 0.1731



0.6671, 0.1906, 0.2062

Previews

White Background



This preview shows how the Yxy color 20.9845, 0.5539, 0.3984 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 20.9845, 0.5539, 0.3984 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 20.9845, 0.5539, 0.3984

Background



This preview shows how black text looks on a background with the Yxy color 20.9845, 0.5539, 0.3984.



This preview shows how white text looks on a background with the Yxy color 20.9845, 0.5539, 0.3984.

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

20.9845, 0.5539, 0.3984

Protanopia

21.0654, 0.4348, 0.4812

Deuteranopia

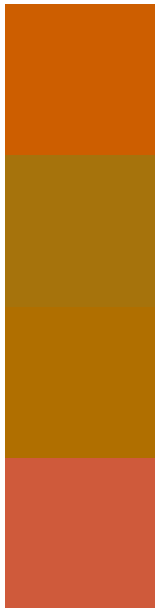
21.1483, 0.4695, 0.4654



Tritanopia

21.0166, 0.4818, 0.3225

Trichromacy



Original Color

20.9845, 0.5539, 0.3984

Protanomaly

20.3950, 0.4824, 0.4488

Deuteranomaly

20.5990, 0.5027, 0.4390

Tritanomaly

20.8935, 0.5235, 0.3624

Monochromacy



Original Color

20.9845, 0.5539, 0.3984

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.5154, 0.4162, 0.3876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9845, 0.5539, 0.3984 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(205, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(205, 94, 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(205, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 94, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.9845, 0.5539, 0.3984 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(205, 94, 0) }
```

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

```
.border{ border-color:rgb(205, 94, 0) }
```

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

Here you see how a box with a 4 pixel rgb(205, 94, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(205, 94, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.9845, 0.5539, 0.3984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 94, 0) }
```

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

```
.background{ background-color: rgb(205, 94,  
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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