

Converting Colors

$Yxy(20.4410, 0.5547, 0.3977)$

Have a look what the booklet for
Yxy(20.4410, 0.5547, 0.3977)
contains.

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Color

Yxy(20.3508, 0.5554, 0.3972)

Conversions

Conversions Part 1

Format	Color
Hex	CB5C00
RGB	203, 92, 0
RGB Percent	80%, 36%, 0%
CMY	0.2039, 0.6392, 0.9999
CMYK	0.00, 0.55, 1.00, 0.20
HSL	27°, 100%, 40%
HSV	27°, 100%, 80%
XYZ	28.4563, 20.3508, 2.4286
YIQ	114.7010, 95.6880, -5.0800

Conversions

Conversions Part 2

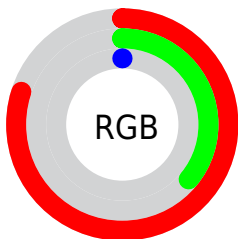
Format	Color
R_{YB}	203, 168, 0
Decimal	13327360
CIE _{Lab}	52.23, 40.39, 61.34
CIE _{LCh}	52, 73.445, 56.639
Yxy	20.3508, 0.5554, 0.3972
Android (android.graphics.Color)	4291517440 (0xFFCB5C00)
YUV	114.7010, -56.5476, 77.4382
Hunter-Lab	45.1119, 33.6509, 28.3865

Details

The Yxy color **20.3508, 0.5554, 0.3972** 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 **15.6834, 0.1813, 0.1727**, and the grayscale version is **17.2032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8697, 0.5017, 0.4020**, and **7.2486, 0.5947, 0.3660** is the 20% darker color. If you saturate the color by 10%, you get **20.3505, 0.5554, 0.3972**, and if you desaturate by 10%, it is **22.4699, 0.5333, 0.4046**.

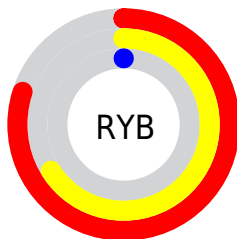
Distribution



Red (80%)

Green (36%)

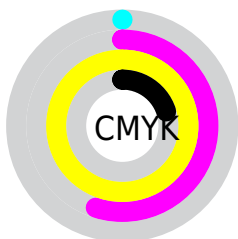
Blue (0%)



Red (80%)

Yellow (66%)

Blue (0%)

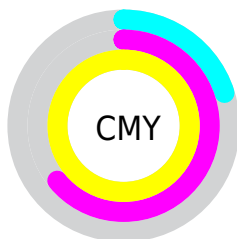


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (64%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3508, 0.5554, 0.3972 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 20.3508, 0.5554, 0.3972 by changing the saturation by 10% instead.


 20.3508, 0.5554,
0.3972

 20.3508, 0.5554,
0.3972


253.8079, 0.4284,
0.3793


 12.6503, 0.5831,
0.3921


 44.0045, 0.5110,
0.3971

 7.1882, 0.6182,
0.3818


 60.7266, 0.4934,
0.3950


 3.5801, 0.6472,
0.3528


 81.2246, 0.4784,
0.3924

 1.4415, 0.6919,
0.3081

 105.8830, 0.4655,
0.3896

 0.2470, 0.8383,
0.1617

 135.0861, 0.4543,
0.3868

 0.0000, 1.0000,
0.0000


 169.2183, 0.4445,

 0.0000, 0.0000,


0.3842


0.0000


 208.6642, 0.4360,
0.3816

 20.3508, 0.5554,
0.3972

 20.3508, 0.5554,
0.3972

 20.3505, 0.5554,
0.3972

 22.4699, 0.5333,
0.4046

 24.9353, 0.5073,
0.4072

 27.7777, 0.4784,
0.4046

 31.0172, 0.4487,
0.3978

 34.6721, 0.4199,
0.3881

■ 38.7589, 0.3931,
0.3766

■ 43.2934, 0.3690,
0.3644

■ 48.2903, 0.3476,
0.3521

■ 53.7633, 0.3289,
0.3402

Harmonies

Analogous

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



20.3508, 0.5529, 0.3178



20.3508, 0.5554, 0.3972



20.3508, 0.4841, 0.4876

Triad

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



20.3508, 0.5554, 0.3972



20.3508, 0.1693, 0.4209



20.3508, 0.2034, 0.1556

Complementary

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



20.3508, 0.5554, 0.3972



15.6834, 0.1813, 0.1727

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.



20.3508, 0.1385, 0.1523



20.3508, 0.5554, 0.3972



20.3508, 0.1195, 0.2682

Square

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



20.3508, 0.5554, 0.3972



20.3508, 0.2648, 0.5620



20.3508, 0.1121, 0.1837



20.3508, 0.3156, 0.1881

Rectangle

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



20.3508, 0.5554, 0.3972



20.3508, 0.4154, 0.5460



20.3508, 0.1121, 0.1837



20.3508, 0.1768, 0.1512

Sweetspot

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



20.3519, 0.5554, 0.3972



72.1678, 0.3699, 0.3649



13.8593, 0.4760, 0.2396



14.7354, 0.3799, 0.3701



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.



20.3519, 0.5554, 0.3972



33.6500, 0.5575, 0.3955



50.7714, 0.4284, 0.4981



12.0370, 0.3279, 0.3395



13.1278, 0.5531, 0.3990



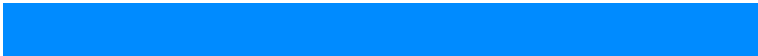
0.8282, 0.5204, 0.4250

Inverse Universe

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



15.6834, 0.1813, 0.1727



25.8124, 0.1807, 0.1706



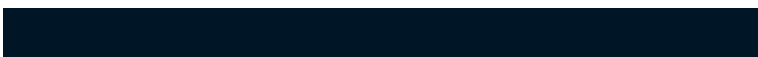
4.5326, 0.1508, 0.0628



11.8437, 0.2983, 0.3182



10.1639, 0.1819, 0.1750



0.6748, 0.1911, 0.2078

Previews

White Background



This preview shows how the Yxy color 20.3508, 0.5554, 0.3972 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



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 20.3508, 0.5554, 0.3972

Background



This preview shows how black text looks on a background with the Yxy color 20.3508, 0.5554, 0.3972.



This preview shows how white text looks on a background with the Yxy color 20.3508, 0.5554, 0.3972.

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

20.3508, 0.5554, 0.3972

Protanopia

20.6314, 0.4336, 0.4819

Deuteranopia

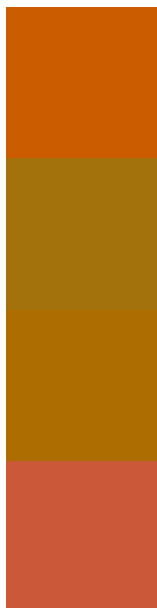
20.4628, 0.4702, 0.4649



Tritanopia

20.3900, 0.4823, 0.3236

Trichromacy



Original Color

20.3508, 0.5554, 0.3972

Protanomaly

19.9537, 0.4816, 0.4492

Deuteranomaly

19.9359, 0.5038, 0.4382

Tritanomaly

20.1223, 0.5241, 0.3617

Monochromacy



Original Color

20.3508, 0.5554, 0.3972

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.1995, 0.4171, 0.3879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3508, 0.5554, 0.3972 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(203, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(203, 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(203, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 92, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.3508, 0.5554, 0.3972 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(203, 92, 0) }
```

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

```
.border{ border-color:rgb(203, 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(203, 92, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(203, 92, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.3508, 0.5554, 0.3972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 92, 0) }
```

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

```
.background{ background-color: rgb(203, 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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