

Converting Colors

$Y_{xy}(20.0091, 0.5748, 0.3818)$

Have a look what the booklet for
Yxy(20.0091, 0.5748, 0.3818)
contains.

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Color

Yxy(20.0316, 0.5749, 0.3817)

Conversions

Conversions Part 1

Format	Color
Hex	D45200
RGB	212, 82, 0
RGB Percent	83%, 32%, 0%
CMY	0.1686, 0.6784, 0.9998
CMYK	0.00, 0.61, 1.00, 0.17
HSL	23°, 100%, 42%
HSV	23°, 100%, 83%
XYZ	30.1707, 20.0316, 2.2776
YIQ	111.5220, 103.8020, 2.0580

Conversions

Conversions Part 2

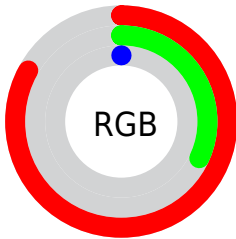
Format	Color
R_{YB}	212, 134, 0
Decimal	13914624
CIE Lab	51.87, 48.52, 61.92
CIE LCh	52, 78.663, 51.915
Yxy	20.0316, 0.5749, 0.3817
Android (android.graphics.Color)	4292104704 (0xFFD45200)
YUV	111.5220, -54.9803, 88.1192
Hunter-Lab	44.7567, 42.0037, 28.3125

Details

The Yxy color **20.0316, 0.5749, 0.3817** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **20.7352, 0.1878, 0.1959**, and the grayscale version is **16.1990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2161, 0.5113, 0.3938**, and **7.0848, 0.6209, 0.3452** is the 20% darker color. If you saturate the color by 10%, you get **20.0280, 0.5749, 0.3817**, and if you desaturate by 10%, it is **22.2382, 0.5508, 0.3903**.

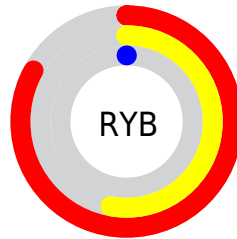
Distribution



Red (83%)

Green (32%)

Blue (0%)



Red (83%)

Yellow (53%)

Blue (0%)

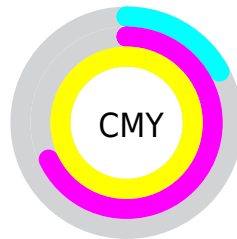


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (68%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0316, 0.5749, 0.3817 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 20.0316, 0.5749, 0.3817 by changing the saturation by 10% instead.


 20.0316, 0.5749,
0.3817


 20.0316, 0.5749,
0.3817


252.0861, 0.4376,
0.3744


 12.4180, 0.6050,
0.3734


 43.4702, 0.5269,
0.3861


 7.0290, 0.6417,
0.3583


 60.0639, 0.5080,
0.3855


 3.4803, 0.6748,
0.3252

 80.4199, 0.4917,
0.3841

 1.3873, 0.7245,
0.2755

 104.9224, 0.4777,
0.3823

 0.2073, 0.8789,
0.1211

 133.9559, 0.4656,
0.3803


 0.0000, 1.0000,
0.0000


 167.9047, 0.4551,


 0.0000, 0.0000,

0.3783

0.0000

 207.1534, 0.4458,
0.3764


 20.0316, 0.5749,
0.3817


 20.0316, 0.5749,
0.3817


 20.0280, 0.5749,
0.3817

 22.2382, 0.5508,
0.3903

 24.8952, 0.5217,
0.3943

 28.0418, 0.4894,
0.3932

 31.7061, 0.4565,
0.3879

 35.9132, 0.4250,
0.3797

■ 40.6867, 0.3962,
0.3699

■ 46.0482, 0.3706,
0.3594

■ 52.0183, 0.3483,
0.3488

■ 58.6163, 0.3291,
0.3386

Harmonies

Analogous

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



20.0316, 0.5598, 0.3020



20.0316, 0.5749, 0.3817



20.0316, 0.5053, 0.4756

Triad

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



20.0316, 0.5749, 0.3817



20.0316, 0.1720, 0.4579



20.0316, 0.1828, 0.1444

Complementary

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



20.0316, 0.5749, 0.3817



20.7352, 0.1878, 0.1959

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.



20.0316, 0.1231, 0.1454



20.0316, 0.5749, 0.3817



20.0316, 0.1137, 0.2830

Square

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



20.0316, 0.5749, 0.3817



20.0316, 0.2765, 0.5938



20.0316, 0.1013, 0.1837



20.0316, 0.2929, 0.1732

Rectangle

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



20.0316, 0.5749, 0.3817



20.0316, 0.4342, 0.5422



20.0316, 0.1013, 0.1837



20.0316, 0.1579, 0.1413

Sweetspot

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



20.0328, 0.5749, 0.3817



69.6438, 0.3714, 0.3598



15.6314, 0.4486, 0.2245



14.1431, 0.3820, 0.3643



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.



20.0328, 0.5749, 0.3817



30.1062, 0.5767, 0.3803



49.6577, 0.4416, 0.4875



13.2002, 0.3281, 0.3381



12.5440, 0.5724, 0.3837



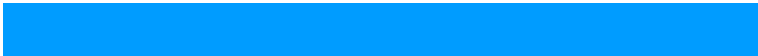
0.9147, 0.5403, 0.4092

Inverse Universe

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



20.7352, 0.1878, 0.1959



31.1347, 0.1873, 0.1944



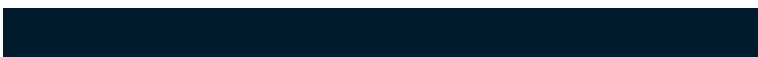
5.4400, 0.1522, 0.0677



13.2640, 0.2982, 0.3198



12.9959, 0.1883, 0.1979



0.9422, 0.1953, 0.2230

Previews

White Background



This preview shows how the Yxy color 20.0316, 0.5749, 0.3817 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 20.0316, 0.5749, 0.3817 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 20.0316, 0.5749, 0.3817

Background



This preview shows how black text looks on a background with the Yxy color 20.0316, 0.5749, 0.3817.



This preview shows how white text looks on a background with the Yxy color 20.0316, 0.5749, 0.3817.

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

20.0316, 0.5749, 0.3817

Protanopia

20.2968, 0.4328, 0.4805

Deuteranopia

20.1250, 0.4705, 0.4646



Tritanopia

20.0591, 0.5142, 0.3244

Trichromacy



Original Color

20.0316, 0.5749, 0.3817

Protanomaly

19.0733, 0.4914, 0.4407

Deuteranomaly

19.4503, 0.5133, 0.4306

Tritanomaly

19.8428, 0.5489, 0.3538

Monochromacy



Original Color

20.0316, 0.5749, 0.3817

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.0582, 0.4269, 0.3808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0316, 0.5749, 0.3817 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(212, 82, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 82, 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(212, 82, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 82, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.0316, 0.5749, 0.3817 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(212, 82, 0) }
```

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

```
.border{ border-color:rgb(212, 82, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 82, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 82, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 82, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 82, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.0316, 0.5749, 0.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 82, 0) }
```

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

```
.background{ background-color: rgb(212, 82,  
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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