

Converting Colors

$Yxy(20.3143, 0.5765, 0.3804)$

Have a look what the booklet for
Yxy(20.3143, 0.5765, 0.3804)
contains.

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Color

Yxy(20.3307, 0.5760, 0.3808)

Conversions

Conversions Part 1

Format	Color
Hex	D65200
RGB	214, 82, 0
RGB Percent	84%, 32%, 0%
CMY	0.1607, 0.6785, 0.9996
CMYK	0.00, 0.62, 1.00, 0.16
HSL	23°, 100%, 42%
HSV	23°, 100%, 84%
XYZ	30.7523, 20.3307, 2.3064
YIQ	112.1200, 104.9940, 2.4820

Conversions

Conversions Part 2

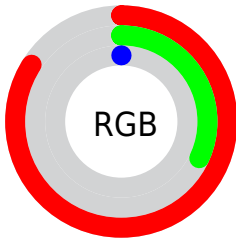
Format	Color
RYB	214, 133, 0
Decimal	14045696
CIELab	52.21, 49.25, 62.26
CIELCh	52, 79.387, 51.656
Yxy	20.3307, 0.5760, 0.3808
Android (android.graphics.Color)	4292235776 (0xFFD65200)
YUV	112.1200, -55.2752, 89.3488
Hunter-Lab	45.0896, 42.8351, 28.5299

Details

The Yxy color **20.3307, 0.5760, 0.3808** 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 **21.3942, 0.1881, 0.1972**, and the grayscale version is **16.3862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2161, 0.5113, 0.3938**, and **7.2746, 0.6214, 0.3448** is the 20% darker color. If you saturate the color by 10%, you get **20.3214, 0.5761, 0.3808**, and if you desaturate by 10%, it is **22.5750, 0.5518, 0.3894**.

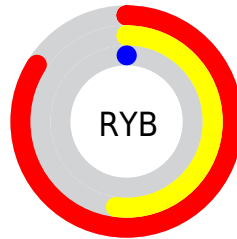
Distribution



Red (84%)

Green (32%)

Blue (0%)



Red (84%)

Yellow (52%)

Blue (0%)

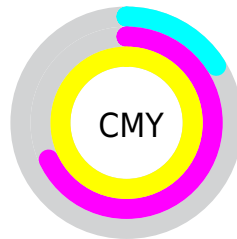


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (68%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3307, 0.5760, 0.3808 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 20.3307, 0.5760, 0.3808 by changing the saturation by 10% instead.


 20.3307, 0.5760,
0.3808


 20.3307, 0.5760,
0.3808


253.6998, 0.4385,
0.3742


 12.6357, 0.6060,
0.3724


 43.9709, 0.5280,
0.3855

 7.1781, 0.6427,
0.3573

 60.6849, 0.5091,
0.3850


 3.5738, 0.6757,
0.3243


 81.1740, 0.4928,
0.3837

 1.4381, 0.7250,
0.2750

 105.8226, 0.4788,
0.3819

 0.2446, 0.8663,
0.1337

 135.0151, 0.4666,
0.3800

 0.0000, 1.0000,
0.0000

 169.1358, 0.4560,

 0.0000, 0.0000,


0.3781


0.0000

 208.5693, 0.4467,
0.3761


 20.3307, 0.5760,
0.3808

 20.3307, 0.5760,
0.3808


 20.3214, 0.5761,
0.3808

 22.5750, 0.5518,
0.3894

 25.2838, 0.5226,
0.3935

 28.4976, 0.4901,
0.3925

 32.2454, 0.4570,
0.3873

 36.5535, 0.4253,
0.3793

■ 41.4460, 0.3963,
0.3695

■ 46.9455, 0.3707,
0.3591

■ 53.0734, 0.3483,
0.3486

■ 59.8496, 0.3291,
0.3385

Harmonies

Analogous

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



20.3307, 0.5602, 0.3011



20.3307, 0.5760, 0.3808



20.3307, 0.5065, 0.4748

Triad

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



20.3307, 0.5760, 0.3808



20.3307, 0.1721, 0.4601



20.3307, 0.1817, 0.1437

Complementary

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



20.3307, 0.5760, 0.3808



21.3942, 0.1881, 0.1972

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.



20.3307, 0.1223, 0.1450



20.3307, 0.5760, 0.3808



20.3307, 0.1134, 0.2840

Square

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



20.3307, 0.5760, 0.3808



20.3307, 0.2772, 0.5955



20.3307, 0.1007, 0.1837



20.3307, 0.2915, 0.1724

Rectangle

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



20.3307, 0.5760, 0.3808



20.3307, 0.4353, 0.5419



20.3307, 0.1007, 0.1837



20.3307, 0.1569, 0.1407

Sweetspot

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



20.3319, 0.5760, 0.3808



69.5012, 0.3715, 0.3595



16.0662, 0.4419, 0.2208



14.1097, 0.3821, 0.3639



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.



20.3319, 0.5760, 0.3808



29.9235, 0.5778, 0.3794



49.2028, 0.4452, 0.4847



13.1923, 0.3282, 0.3380



12.4680, 0.5735, 0.3829



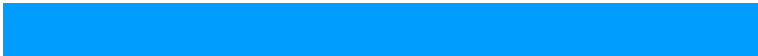
0.9096, 0.5412, 0.4085

Inverse Universe

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



21.3942, 0.1881, 0.1972



31.4644, 0.1877, 0.1958



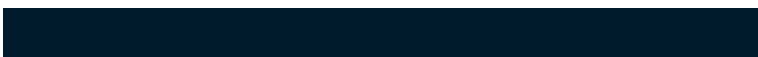
5.7171, 0.1526, 0.0694



13.2722, 0.2982, 0.3199



13.1292, 0.1887, 0.1992



0.9497, 0.1956, 0.2241

Previews

White Background



This preview shows how the Yxy color 20.3307, 0.5760, 0.3808 looks on a white background.

Color Contrast Check

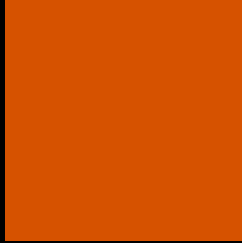
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3307, 0.5760, 0.3808 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 20.3307, 0.5760, 0.3808

Background



This preview shows how black text looks on a background with the Yxy color 20.3307, 0.5760, 0.3808.



This preview shows how white text looks on a background with the Yxy color 20.3307, 0.5760, 0.3808.

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

20.3307, 0.5760, 0.3808

Protanopia

20.6386, 0.4328, 0.4807

Deuteranopia

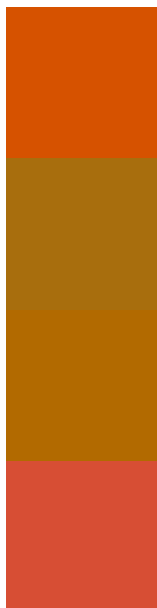
20.4628, 0.4702, 0.4649



Tritanopia

20.3619, 0.5161, 0.3244

Trichromacy



Original Color

20.3307, 0.5760, 0.3808

Protanomaly

19.5058, 0.4920, 0.4403

Deuteranomaly

19.7730, 0.5127, 0.4311

Tritanomaly

20.1438, 0.5504, 0.3534

Monochromacy



Original Color

20.3307, 0.5760, 0.3808

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.1519, 0.4283, 0.3804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3307, 0.5760, 0.3808 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(214, 82, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 82, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 82, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.3307, 0.5760, 0.3808 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(214, 82, 0) }
```

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

```
.border{ border-color:rgb(214, 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(214, 82, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 82, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 82, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 82, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.3307, 0.5760, 0.3808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 82, 0) }
```

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

```
.background{ background-color: rgb(214, 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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