

Converting Colors

$Y_{xy}(18.6666, 0.6112, 0.3869)$

Have a look what the booklet for
Yxy(18.6666, 0.6112, 0.3869)
contains.

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Color

Yxy(18.7809, 0.5882, 0.3712)

Conversions

Conversions Part 1

Format	Color
Hex	D54800
RGB	213, 72, 0
RGB Percent	84%, 28%, 0%
CMY	0.1647, 0.7177, 1.0000
CMYK	0.00, 0.66, 1.00, 0.16
HSL	20°, 100%, 42%
HSV	20°, 100%, 84%
XYZ	29.7600, 18.7809, 2.0542
YIQ	105.9510, 107.1480, 7.5000

Conversions

Conversions Part 2

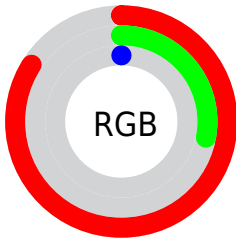
Format	Color
RYB	213, 109, 0
Decimal	13977600
CIELab	50.43, 53.19, 61.29
CIELCh	50, 81.151, 49.050
Yxy	18.7809, 0.5882, 0.3712
Android (android.graphics.Color)	4292167680 (0xFFD54800)
YUV	105.9510, -52.2338, 93.8820
Hunter-Lab	43.3369, 46.7386, 27.5255

Details

The Yxy color **18.7809, 0.5882, 0.3712** 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 **23.8581, 0.1926, 0.2134**, and the grayscale version is **14.5232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7650, 0.5217, 0.3863**, and **6.4330, 0.6388, 0.3310** is the 20% darker color. If you saturate the color by 10%, you get **18.7822, 0.5882, 0.3712**, and if you desaturate by 10%, it is **20.8744, 0.5630, 0.3801**.

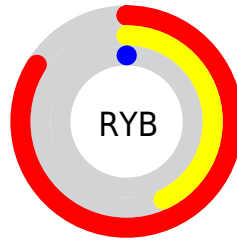
Distribution



Red (84%)

Green (28%)

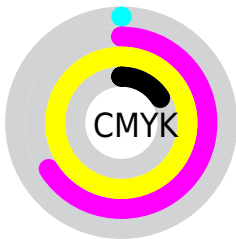
Blue (0%)



Red (84%)

Yellow (43%)

Blue (0%)

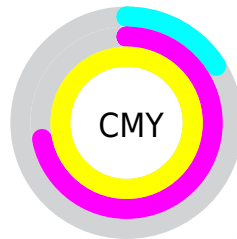


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (72%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7809, 0.5882, 0.3712 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 18.7809, 0.5882, 0.3712 by changing the saturation by 10% instead.

 18.7809, 0.5882,
0.3712


 18.7809, 0.5882,
0.3712


 245.2365, 0.4427,
0.3709


 11.5121, 0.6207,
0.3608


 41.3635, 0.5372,
0.3787


 6.4124, 0.6584,
0.3416


 57.4461, 0.5171,
0.3791


 3.0974, 0.6952,
0.3048

 77.2355, 0.4999,
0.3784

 1.1828, 0.7500,
0.2500

 101.1159, 0.4851,
0.3772

 0.0476, 0.9682,
0.0318

 129.4718, 0.4723,
0.3758

 0.0000, 1.0000,
0.0000


 162.6876, 0.4611,


 0.0000, 0.0000,

0.3742


0.0000

 201.1477, 0.4513,
0.3725


 18.7809, 0.5882,
0.3712


 18.7809, 0.5882,
0.3712


 18.7822, 0.5882,
0.3712

 20.8744, 0.5630,
0.3801

 23.4721, 0.5320,
0.3849

 26.6196, 0.4974,
0.3847

 30.3505, 0.4621,
0.3805

 34.6953, 0.4287,
0.3735

■ 39.6818, 0.3984,
0.3650

■ 45.3362, 0.3718,
0.3557

■ 51.6831, 0.3488,
0.3464

■ 58.7457, 0.3293,
0.3374

Harmonies

Analogous

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



18.7809, 0.5645, 0.2914



18.7809, 0.5882, 0.3712



18.7809, 0.5199, 0.4674

Triad

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



18.7809, 0.5882, 0.3712



18.7809, 0.1732, 0.4847



18.7809, 0.1696, 0.1368

Complementary

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



18.7809, 0.5882, 0.3712



23.8581, 0.1926, 0.2134

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.



18.7809, 0.1132, 0.1406



18.7809, 0.5882, 0.3712



18.7809, 0.1095, 0.2937

Square

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



18.7809, 0.5882, 0.3712



18.7809, 0.2833, 0.6140



18.7809, 0.0941, 0.1834



18.7809, 0.2779, 0.1634

Rectangle

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



18.7809, 0.5882, 0.3712



18.7809, 0.4470, 0.5393



18.7809, 0.0941, 0.1834



18.7809, 0.1458, 0.1346

Sweetspot

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



18.7822, 0.5882, 0.3712



67.8502, 0.3725, 0.3560



16.1009, 0.4286, 0.2135



13.7242, 0.3835, 0.3600



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.



18.7822, 0.5882, 0.3712



27.9460, 0.5899, 0.3698



45.7934, 0.4525, 0.4789



13.1000, 0.3283, 0.3369



11.6418, 0.5855, 0.3733



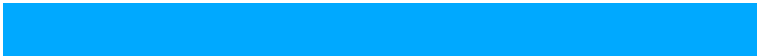
0.8531, 0.5519, 0.4000

Inverse Universe

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



23.8581, 0.1926, 0.2134



35.5251, 0.1923, 0.2121



6.0364, 0.1538, 0.0735



13.3679, 0.2982, 0.3209



14.7677, 0.1931, 0.2152



1.0410, 0.1992, 0.2371

Previews

White Background



This preview shows how the Yxy color 18.7809, 0.5882, 0.3712 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 18.7809, 0.5882, 0.3712 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 18.7809, 0.5882, 0.3712

Background



This preview shows how black text looks on a background with the Yxy color 18.7809, 0.5882, 0.3712.



This preview shows how white text looks on a background with the Yxy color 18.7809, 0.5882, 0.3712.

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

18.7809, 0.5882, 0.3712

Protanopia

18.9669, 0.4325, 0.4787

Deuteranopia

18.9369, 0.4692, 0.4657



Tritanopia

18.7654, 0.5361, 0.3258

Trichromacy



Original Color

18.7809, 0.5882, 0.3712

Protanomaly

17.6247, 0.4983, 0.4339

Deuteranomaly

17.9224, 0.5201, 0.4253

Tritanomaly

18.7418, 0.5662, 0.3498

Monochromacy



Original Color

18.7809, 0.5882, 0.3712

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.4304, 0.4354, 0.3764

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7809, 0.5882, 0.3712 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(213, 72, 0)` looks like.

```
.text, #text, p{  
  color:rgb(213, 72, 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(213, 72, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 72, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.7809, 0.5882, 0.3712 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(213, 72, 0) }
```

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

```
.border{ border-color:rgb(213, 72, 0) }
```

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

Here you see how a box with a 4 pixel rgb(213, 72, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 72, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 72, 0);  
box-shadow:4px 4px 4px 4px rgb(213, 72, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.7809, 0.5882, 0.3712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 72, 0) }
```

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

```
.background{ background-color: rgb(213, 72,  
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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