

Converting Colors

$Y_{xy}(18.2722, 0.5856, 0.3732)$

Have a look what the booklet for
Yxy(18.2722, 0.5856, 0.3732)
contains.

Yxy(18.3204, 0.5850, 0.3737)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.3204, 0.5850, 0.3737)

Conversions

Conversions Part 1

Format	Color
Hex	D14900
RGB	209, 73, 0
RGB Percent	82%, 29%, 0%
CMY	0.1804, 0.7137, 1.0000
CMYK	0.00, 0.65, 1.00, 0.18
HSL	21°, 100%, 41%
HSV	21°, 100%, 82%
XYZ	28.6792, 18.3204, 2.0247
YIQ	105.3420, 104.4890, 6.1290

Conversions

Conversions Part 2

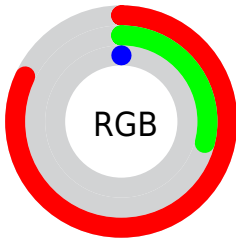
Format	Color
RYB	209, 112, 0
Decimal	13715712
CIELab	49.88, 51.39, 60.60
CIElCh	50, 79.456, 49.706
Yxy	18.3204, 0.5850, 0.3737
Android (android.graphics.Color)	4291905792 (0xFFD14900)
YUV	105.3420, -51.9336, 90.9081
Hunter-Lab	42.8023, 44.6979, 27.1570

Details

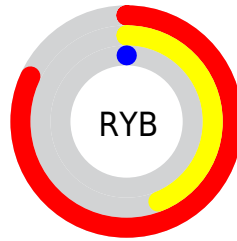
The Yxy color **18.3204, 0.5850, 0.3737** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **22.2175, 0.1915, 0.2094**, and the grayscale version is **14.3472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7650, 0.5217, 0.3863**, and **6.2629, 0.6355, 0.3336** is the 20% darker color. If you saturate the color by 10%, you get **18.3209, 0.5850, 0.3737**, and if you desaturate by 10%, it is **20.3622, 0.5599, 0.3825**.

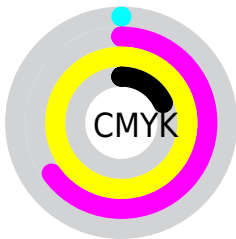
Distribution



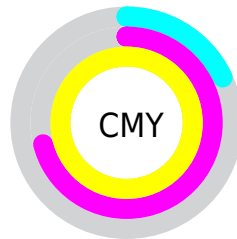
- Red (82%)
- Green (29%)
- Blue (0%)



- Red (82%)
- Yellow (44%)
- Blue (0%)



- Cyan (0%)
- Magenta (65%)
- Yellow (100%)
- Black (18%)




- Cyan (18%)
- Magenta (71%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3204, 0.5850, 0.3737 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 18.3204, 0.5850, 0.3737 by changing the saturation by 10% instead.


 18.3204, 0.5850,
0.3737

 18.3204, 0.5850,
0.3737


 242.6708, 0.4405,
0.3715


 11.1803, 0.6176,
0.3638


 40.5825, 0.5341,
0.3805

 6.1882, 0.6552,
0.3448

 56.4733, 0.5141,
0.3806

 2.9599, 0.6921,
0.3079

 76.0497, 0.4970,
0.3797

 1.1108, 0.7476,
0.2524

 99.6963, 0.4824,
0.3783


 0.0000, 1.0000,
0.0000

 127.7972, 0.4697,
0.3767

 0.0000, 0.0000,
0.0000


 160.7370, 0.4587,

0.3750

 198.9001, 0.4490,
0.3732


 18.3204, 0.5850,
0.3737


 18.3204, 0.5850,
0.3737


 18.3209, 0.5850,
0.3737

 20.3622, 0.5599,
0.3825

 22.8754, 0.5294,
0.3870

 25.9024, 0.4953,
0.3866

 29.4740, 0.4606,
0.3822

 33.6180, 0.4277,
0.3749

■ 38.3601, 0.3978,
0.3661

■ 43.7242, 0.3714,
0.3565

■ 49.7330, 0.3487,
0.3470

■ 56.4076, 0.3292,
0.3377

Harmonies

Analogous

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



18.3204, 0.5633, 0.2939



18.3204, 0.5850, 0.3737



18.3204, 0.5165, 0.4694

Triad

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



18.3204, 0.5850, 0.3737



18.3204, 0.1730, 0.4782



18.3204, 0.1727, 0.1386

Complementary

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



18.3204, 0.5850, 0.3737



22.2175, 0.1915, 0.2094

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.



18.3204, 0.1155, 0.1418



18.3204, 0.5850, 0.3737



18.3204, 0.1106, 0.2911

Square

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



18.3204, 0.5850, 0.3737



18.3204, 0.2818, 0.6092



18.3204, 0.0958, 0.1835



18.3204, 0.2814, 0.1657

Rectangle

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



18.3204, 0.5850, 0.3737



18.3204, 0.4441, 0.5401



18.3204, 0.0958, 0.1835



18.3204, 0.1487, 0.1362

Sweetspot

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



18.3215, 0.5850, 0.3737



68.2607, 0.3723, 0.3569



15.4309, 0.4284, 0.2134



13.8199, 0.3831, 0.3610



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.



18.3215, 0.5850, 0.3737



28.4139, 0.5870, 0.3721



43.8968, 0.4524, 0.4790



12.4739, 0.3282, 0.3372



11.4628, 0.5824, 0.3758



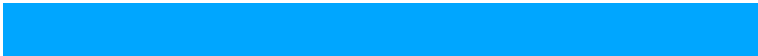
0.7881, 0.5469, 0.4040

Inverse Universe

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



22.2175, 0.1915, 0.2094



34.4725, 0.1911, 0.2080



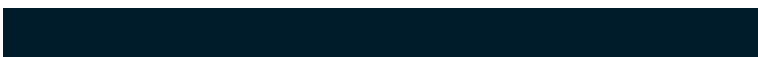
5.7966, 0.1538, 0.0736



12.6831, 0.2983, 0.3207



13.8877, 0.1920, 0.2113



0.9221, 0.1987, 0.2354

Previews

White Background



This preview shows how the Yxy color 18.3204, 0.5850, 0.3737 looks on a white 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

Black Background



This preview shows how the Yxy color 18.3204, 0.5850, 0.3737 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 18.3204, 0.5850, 0.3737

Background



This preview shows how black text looks on a background with the Yxy color 18.3204, 0.5850, 0.3737.



This preview shows how white text looks on a background with the Yxy color 18.3204, 0.5850, 0.3737.

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

18.3204, 0.5850, 0.3737

Protanopia

18.5592, 0.4312, 0.4794

Deuteranopia

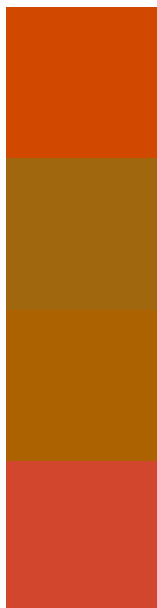
18.3896, 0.4711, 0.4641



Tritanopia

18.3038, 0.5304, 0.3256

Trichromacy



Original Color

18.3204, 0.5850, 0.3737

Protanomaly

17.3093, 0.4949, 0.4365

Deuteranomaly

17.5060, 0.5197, 0.4255

Tritanomaly

18.2792, 0.5615, 0.3508

Monochromacy



Original Color

18.3204, 0.5850, 0.3737

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.0736, 0.4335, 0.3753

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3204, 0.5850, 0.3737 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(209, 73, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 73, 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(209, 73, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 73, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.3204, 0.5850, 0.3737 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(209, 73, 0) }
```

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

```
.border{ border-color:rgb(209, 73, 0) }
```

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

Here you see how a box with a 4 pixel rgb(209, 73, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 73, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 73, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 73, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.3204, 0.5850, 0.3737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 73, 0) }
```

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

```
.background{ background-color: rgb(209, 73,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor