

Converting Colors

$Yxy(18.2084, 0.5877, 0.3731)$

Have a look what the booklet for
Yxy(18.2084, 0.5877, 0.3731)
contains.

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Color

Yxy(18.1900, 0.5862, 0.3727)

Conversions

Conversions Part 1

Format	Color
Hex	D14800
RGB	209, 72, 0
RGB Percent	82%, 28%, 0%
CMY	0.1804, 0.7176, 0.9996
CMYK	0.00, 0.66, 1.00, 0.18
HSL	21°, 100%, 41%
HSV	21°, 100%, 82%
XYZ	28.6101, 18.1900, 2.0059
YIQ	104.7550, 104.7640, 6.6520

Conversions

Conversions Part 2

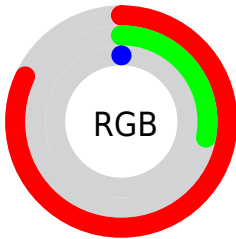
Format	Color
RYB	209, 110, 0
Decimal	13715456
CIELab	49.73, 51.79, 60.50
CIElCh	50, 79.639, 49.434
Yxy	18.1900, 0.5862, 0.3727
Android (android.graphics.Color)	4291905536 (0xFFD14800)
YUV	104.7550, -51.6442, 91.4229
Hunter-Lab	42.6497, 45.1034, 27.0663

Details

The Yxy color **18.1900, 0.5862, 0.3727** 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 **22.5152, 0.1920, 0.2113**, and the grayscale version is **14.1831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5080, 0.5227, 0.3854**, and **6.1978, 0.6374, 0.3321** is the 20% darker color. If you saturate the color by 10%, you get **18.1822, 0.5863, 0.3727**, and if you desaturate by 10%, it is **20.2192, 0.5610, 0.3815**.

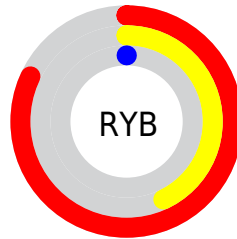
Distribution



Red (82%)

Green (28%)

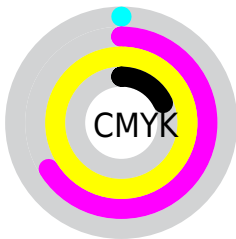
Blue (0%)



Red (82%)

Yellow (43%)

Blue (0%)

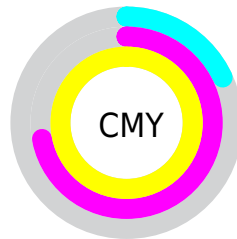


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (72%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1900, 0.5862, 0.3727 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 18.1900, 0.5862, 0.3727 by changing the saturation by 10% instead.


 18.1900, 0.5862,
0.3727


 18.1900, 0.5862,
0.3727


 241.9398, 0.4409,
0.3712


 11.0865, 0.6191,
0.3626


 40.3608, 0.5350,
0.3798


 6.1250, 0.6568,
0.3432

 56.1969, 0.5149,
0.3799

 2.9213, 0.6940,
0.3060

 75.7126, 0.4977,
0.3792

 1.0908, 0.7501,
0.2499

 99.2924, 0.4830,
0.3778


 0.0000, 1.0000,
0.0000


 127.3206, 0.4703,
0.3763


 0.0000, 0.0000,
0.0000


 160.1817, 0.4592,


0.3746


 198.2599, 0.4495,
0.3729

 18.1900, 0.5862,
0.3727


 18.1900, 0.5862,
0.3727


 18.1822, 0.5863,
0.3727

 20.2192, 0.5610,
0.3815

 22.7248, 0.5303,
0.3861

 25.7496, 0.4959,
0.3858

 29.3248, 0.4610,
0.3814

 33.4789, 0.4279,
0.3742

■ 38.2378, 0.3978,
0.3655

■ 43.6261, 0.3714,
0.3561

■ 49.6665, 0.3486,
0.3467

■ 56.3809, 0.3292,
0.3375

Harmonies

Analogous

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



18.1900, 0.5637, 0.2929



18.1900, 0.5862, 0.3727



18.1900, 0.5179, 0.4687

Triad

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



18.1900, 0.5862, 0.3727



18.1900, 0.1732, 0.4808



18.1900, 0.1715, 0.1380

Complementary

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



18.1900, 0.5862, 0.3727



22.5152, 0.1920, 0.2113

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.



18.1900, 0.1146, 0.1414



18.1900, 0.5862, 0.3727



18.1900, 0.1102, 0.2922

Square

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



18.1900, 0.5862, 0.3727



18.1900, 0.2825, 0.6110



18.1900, 0.0952, 0.1836



18.1900, 0.2800, 0.1648

Rectangle

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



18.1900, 0.5862, 0.3727



18.1900, 0.4453, 0.5398



18.1900, 0.0952, 0.1836



18.1900, 0.1475, 0.1356

Sweetspot

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



18.1911, 0.5862, 0.3727



68.0796, 0.3724, 0.3565



15.4305, 0.4284, 0.2134



13.7777, 0.3833, 0.3605



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.



18.1911, 0.5862, 0.3727



28.2056, 0.5883, 0.3711



43.8934, 0.4524, 0.4790



12.4642, 0.3282, 0.3371



11.3782, 0.5837, 0.3747



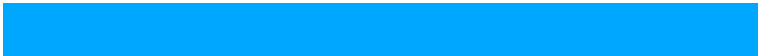
0.7827, 0.5480, 0.4031

Inverse Universe

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



22.5152, 0.1920, 0.2113



34.9332, 0.1916, 0.2098



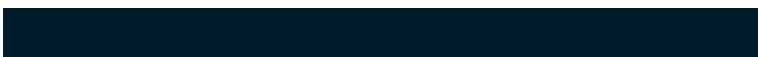
5.8007, 0.1538, 0.0737



12.6931, 0.2983, 0.3208



14.0673, 0.1925, 0.2131



0.9313, 0.1991, 0.2368

Previews

White Background



This preview shows how the Yxy color 18.1900, 0.5862, 0.3727 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 18.1900, 0.5862, 0.3727 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 18.1900, 0.5862, 0.3727

Background



This preview shows how black text looks on a background with the Yxy color 18.1900, 0.5862, 0.3727.



This preview shows how white text looks on a background with the Yxy color 18.1900, 0.5862, 0.3727.

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

18.1900, 0.5862, 0.3727

Protanopia

18.3199, 0.4326, 0.4781

Deuteranopia

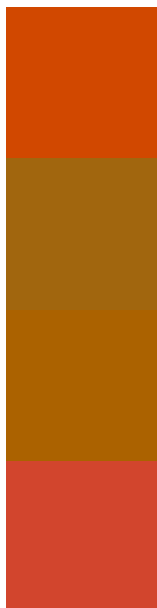
18.2943, 0.4699, 0.4651



Tritanopia

18.1709, 0.5327, 0.3257

Trichromacy



Original Color

18.1900, 0.5862, 0.3727

Protanomaly

17.1115, 0.4965, 0.4351

Deuteranomaly

17.3933, 0.5187, 0.4263

Tritanomaly

18.1473, 0.5636, 0.3505

Monochromacy



Original Color

18.1900, 0.5862, 0.3727

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 18.1900, 0.5862, 0.3727 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, 72, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 72, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 72, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.1900, 0.5862, 0.3727 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, 72, 0) }
```

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

```
.border{ border-color:rgb(209, 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(209, 72, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 72, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 72, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 72, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.1900, 0.5862, 0.3727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 72, 0) }
```

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

```
.background{ background-color: rgb(209, 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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