

Converting Colors

$Y_{xy}(19.8945, 0.5896, 0.3701)$

Have a look what the booklet for
Yxy(19.8945, 0.5896, 0.3701)
contains.

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Color

Yxy(19.8252, 0.5897, 0.3700)

Conversions

Conversions Part 1

Format	Color
Hex	DB4900
RGB	219, 73, 0
RGB Percent	86%, 29%, 0%
CMY	0.1412, 0.7137, 1.0000
CMYK	0.00, 0.67, 1.00, 0.14
HSL	20°, 100%, 43%
HSV	20°, 100%, 86%
XYZ	31.5971, 19.8252, 2.1593
YIQ	108.3320, 110.4490, 8.2490

Conversions

Conversions Part 2

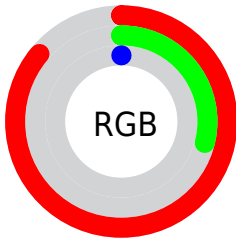
Format	Color
RYB	219, 110, 0
Decimal	14371072
CIELab	51.64, 54.82, 62.48
CIELCh	52, 83.124, 48.737
Yxy	19.8252, 0.5897, 0.3700
Android (android.graphics.Color)	4292561152 (0xFFDB4900)
YUV	108.3320, -53.4077, 97.0558
Hunter-Lab	44.5255, 48.7511, 28.2925

Details

The Yxy color **19.8252, 0.5897, 0.3700** 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 **25.6730, 0.1930, 0.2148**, and the grayscale version is **15.2253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0353, 0.5200, 0.3867**, and **6.9903, 0.6395, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **19.8265, 0.5897, 0.3700**, and if you desaturate by 10%, it is **22.0331, 0.5646, 0.3791**.

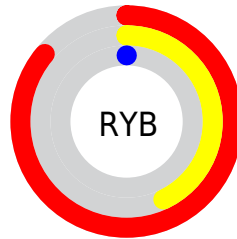
Distribution



Red (86%)

Green (29%)

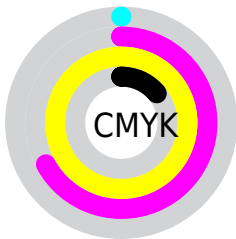
Blue (0%)



Red (86%)

Yellow (43%)

Blue (0%)

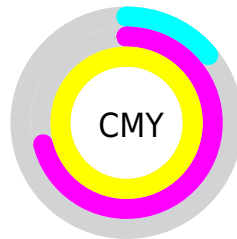


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (71%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8252, 0.5897, 0.3700 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 19.8252, 0.5897, 0.3700 by changing the saturation by 10% instead.


 19.8252, 0.5897,
0.3700


 19.8252, 0.5897,
0.3700


250.9672, 0.4448,
0.3708


 12.2680, 0.6214,
0.3595


 43.1239, 0.5392,
0.3778


 6.9265, 0.6591,
0.3409


 59.6343, 0.5192,
0.3783

 3.4162, 0.6948,
0.3052

 79.8978, 0.5021,
0.3779

 1.3527, 0.7474,
0.2526

 104.2990, 0.4873,
0.3768

 0.1814, 0.9037,
0.0963

 133.2221, 0.4745,
0.3754


 0.0000, 1.0000,
0.0000


 167.0516, 0.4633,

 0.0000, 0.0000,


0.3739


0.0000

 206.1718, 0.4535,
0.3724


 19.8252, 0.5897,
0.3700


 19.8252, 0.5897,
0.3700


 19.8265, 0.5897,
0.3700

 22.0331, 0.5646,
0.3791

 24.7842, 0.5335,
0.3839

 28.1278, 0.4986,
0.3839

 32.1004, 0.4630,
0.3798

 36.7351, 0.4293,
0.3730

■ 42.0624, 0.3988,
0.3645

■ 48.1107, 0.3720,
0.3554

■ 54.9067, 0.3490,
0.3462

■ 62.4756, 0.3293,
0.3373

Harmonies

Analogous

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



19.8252, 0.5650, 0.2902



19.8252, 0.5897, 0.3700



19.8252, 0.5214, 0.4663

Triad

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



19.8252, 0.5897, 0.3700



19.8252, 0.1733, 0.4879



19.8252, 0.1681, 0.1360

Complementary

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



19.8252, 0.5897, 0.3700



25.6730, 0.1930, 0.2148

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.



19.8252, 0.1121, 0.1400



19.8252, 0.5897, 0.3700



19.8252, 0.1090, 0.2949

Square

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



19.8252, 0.5897, 0.3700



19.8252, 0.2840, 0.6161



19.8252, 0.0933, 0.1834



19.8252, 0.2762, 0.1623

Rectangle

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



19.8252, 0.5897, 0.3700



19.8252, 0.4483, 0.5387



19.8252, 0.0933, 0.1834



19.8252, 0.1445, 0.1338

Sweetspot

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



19.8265, 0.5897, 0.3700



67.6806, 0.3727, 0.3556



17.1364, 0.4288, 0.2136



13.6846, 0.3836, 0.3596



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.



19.8265, 0.5897, 0.3700



27.7574, 0.5911, 0.3688



48.7239, 0.4526, 0.4789



13.7572, 0.3283, 0.3369



11.9361, 0.5870, 0.3722



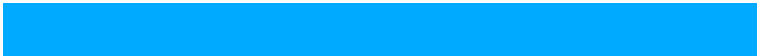
0.9287, 0.5551, 0.3974

Inverse Universe

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



25.6730, 0.1930, 0.2148



35.9685, 0.1927, 0.2138



6.4070, 0.1537, 0.0733



14.0601, 0.2982, 0.3210



15.4310, 0.1935, 0.2167



1.1557, 0.1992, 0.2372

Previews

White Background



This preview shows how the Yxy color 19.8252, 0.5897, 0.3700 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 19.8252, 0.5897, 0.3700 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 19.8252, 0.5897, 0.3700

Background



This preview shows how black text looks on a background with the Yxy color 19.8252, 0.5897, 0.3700.



This preview shows how white text looks on a background with the Yxy color 19.8252, 0.5897, 0.3700.

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

19.8252, 0.5897, 0.3700

Protanopia

19.9661, 0.4320, 0.4789

Deuteranopia

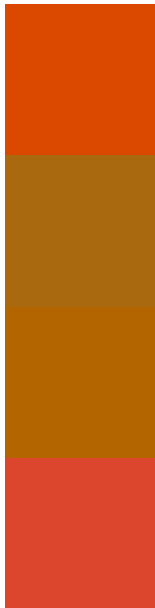
20.0248, 0.4693, 0.4655



Tritanopia

19.8048, 0.5401, 0.3269

Trichromacy



Original Color

19.8252, 0.5897, 0.3700

Protanomaly

18.4625, 0.4992, 0.4330

Deuteranomaly

19.0864, 0.5201, 0.4253

Tritanomaly

19.7854, 0.5688, 0.3498

Monochromacy



Original Color

19.8252, 0.5897, 0.3700

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.9100, 0.4358, 0.3739

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8252, 0.5897, 0.3700 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(219, 73, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 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(219, 73, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 73, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.8252, 0.5897, 0.3700 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(219, 73, 0) }
```

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

```
.border{ border-color:rgb(219, 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(219, 73, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 73, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 73, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 73, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.8252, 0.5897, 0.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 73, 0) }
```

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

```
.background{ background-color: rgb(219, 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](#).

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