

Converting Colors

$Y_{xy}(17.9112, 0.6133, 0.3512)$

Have a look what the booklet for
Yxy(17.9112, 0.6133, 0.3512)
contains.

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Color

Yxy(17.8972, 0.6138, 0.3509)

Conversions

Conversions Part 1

Format	Color
Hex	DE3300
RGB	222, 51, 0
RGB Percent	87%, 20%, 0%
CMY	0.1294, 0.7999, 1.0000
CMYK	0.00, 0.77, 1.00, 0.13
HSL	14°, 100%, 44%
HSV	14°, 100%, 87%
XYZ	31.3061, 17.8972, 1.8004
YIQ	96.3150, 118.2870, 20.3910

Conversions

Conversions Part 2

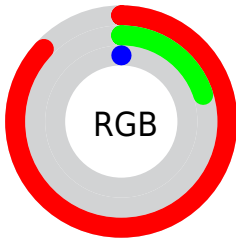
Format	Color
RYB	222, 66, 0
Decimal	14562048
CIELab	49.37, 63.53, 61.76
CIElCh	49, 88.600, 44.189
Yxy	17.8972, 0.6138, 0.3509
Android (android.graphics.Color)	4292752128 (0xFFDE3300)
YUV	96.3150, -47.4833, 110.2257
Hunter-Lab	42.3051, 58.0574, 27.0903

Details

The Yxy color **17.8972, 0.6138, 0.3509** 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 **34.3865, 0.2034, 0.2521**, and the grayscale version is **11.8776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9344, 0.5390, 0.3723**, and **7.1681, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.8986, 0.6137, 0.3509**, and if you desaturate by 10%, it is **19.7365, 0.5886, 0.3591**.

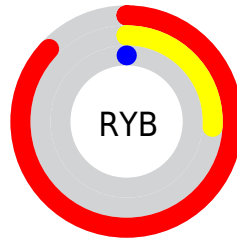
Distribution



Red (87%)

Green (20%)

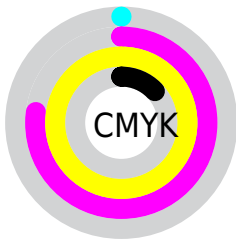
Blue (0%)



Red (87%)

Yellow (26%)

Blue (0%)

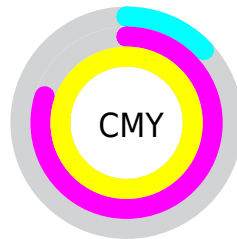


Cyan (0%)

Magenta (77%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (80%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8972, 0.6138, 0.3509 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 17.8972, 0.6138, 0.3509 by changing the saturation by 10% instead.


 17.8972, 0.6138,
0.3509


 17.8972, 0.6138,
0.3509


 240.2910, 0.4547,
0.3645

 10.8762, 0.6499,
0.3368


 39.8621, 0.5582,
0.3642

 5.9837, 0.6885,
0.3115

 55.5748, 0.5362,
0.3666

 2.8351, 0.7299,
0.2701

 74.9534, 0.5174,
0.3675

 1.0463, 0.7897,
0.2103

 98.3826, 0.5012,
0.3676


 0.0000, 1.0000,
0.0000


 126.2465, 0.4871,
0.3672


 0.0000, 0.0000,
0.0000


 158.9296, 0.4749,

0.3664

 196.8163, 0.4642,
0.3655

 17.8972, 0.6138,
0.3509


 17.8972, 0.6138,
0.3509


 17.8986, 0.6137,
0.3509

 19.7365, 0.5886,
0.3591

 22.2452, 0.5547,
0.3645

 25.4942, 0.5153,
0.3659

 29.5388, 0.4750,
0.3639

 34.4286, 0.4372,
0.3595

■ 40.2091, 0.4034,
0.3537

■ 46.9224, 0.3744,
0.3474

■ 54.6078, 0.3500,
0.3410

■ 63.3024, 0.3296,
0.3348

Harmonies

Analogous

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



17.8972, 0.5731, 0.2714



17.8972, 0.6138, 0.3509



17.8972, 0.5488, 0.4512

Triad

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



17.8972, 0.6138, 0.3509



17.8972, 0.1742, 0.5403



17.8972, 0.1458, 0.1228

Complementary

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



17.8972, 0.6138, 0.3509



34.3865, 0.2034, 0.2521

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.



17.8972, 0.0953, 0.1311



17.8972, 0.6138, 0.3509



17.8972, 0.1008, 0.3158

Square

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



17.8972, 0.6138, 0.3509



17.8972, 0.2933, 0.6481



17.8972, 0.0806, 0.1825



17.8972, 0.2502, 0.1452

Rectangle

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



17.8972, 0.6138, 0.3509



17.8972, 0.4699, 0.5301



17.8972, 0.0806, 0.1825



17.8972, 0.1241, 0.1220

Sweetspot

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



17.8986, 0.6137, 0.3509



64.0124, 0.3751, 0.3475



18.5805, 0.3855, 0.1898



12.8340, 0.3868, 0.3503



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.



17.8986, 0.6137, 0.3509



24.3484, 0.6149, 0.3499



40.3576, 0.4810, 0.4563



14.2092, 0.3286, 0.3345



10.7720, 0.6113, 0.3528



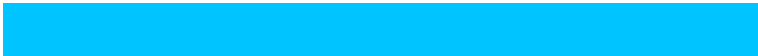
0.8819, 0.5814, 0.3766

Inverse Universe

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



34.3865, 0.2034, 0.2521



46.8741, 0.2032, 0.2515



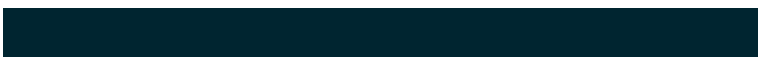
8.8173, 0.1595, 0.0940



15.0101, 0.2982, 0.3235



20.6021, 0.2037, 0.2533



1.5599, 0.2073, 0.2664

Previews

White Background



This preview shows how the Yxy color 17.8972, 0.6138, 0.3509 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 17.8972, 0.6138, 0.3509 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 17.8972, 0.6138, 0.3509

Background



This preview shows how black text looks on a background with the Yxy color 17.8972, 0.6138, 0.3509.



This preview shows how white text looks on a background with the Yxy color 17.8972, 0.6138, 0.3509.

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

17.8972, 0.6138, 0.3509

Protanopia

18.0180, 0.4305, 0.4748

Deuteranopia

17.9779, 0.4703, 0.4648



Tritanopia

18.0153, 0.5862, 0.3298

Trichromacy



Original Color

17.8972, 0.6138, 0.3509

Protanomaly

16.0452, 0.5128, 0.4194

Deuteranomaly

16.5424, 0.5369, 0.4119

Tritanomaly

17.9835, 0.6012, 0.3403

Monochromacy



Original Color

17.8972, 0.6138, 0.3509

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.8250, 0.4559, 0.3627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8972, 0.6138, 0.3509 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(222, 51, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 51, 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(222, 51, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 51, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.8972, 0.6138, 0.3509 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(222, 51, 0) }
```

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

```
.border{ border-color:rgb(222, 51, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 51, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 51, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 51, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 51, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.8972, 0.6138, 0.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 51, 0) }
```

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

```
.background{ background-color: rgb(222, 51,  
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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