

Converting Colors

$Y_{xy}(17.5535, 0.5984, 0.3631)$

Have a look what the booklet for
Yxy(17.5535, 0.5984, 0.3631)
contains.

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Color

Yxy(17.5521, 0.5984, 0.3631)

Conversions

Conversions Part 1

Format	Color
Hex	D43F00
RGB	212, 63, 0
RGB Percent	83%, 25%, 0%
CMY	0.1687, 0.7528, 1.0000
CMYK	0.00, 0.70, 1.00, 0.17
HSL	18°, 100%, 42%
HSV	18°, 100%, 83%
XYZ	28.9264, 17.5521, 1.8611
YIQ	100.3690, 109.0270, 11.9950

Conversions

Conversions Part 2

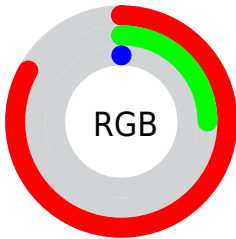
Format	Color
R _Y B	212, 90, 0
Decimal	13909760
CIE Lab	48.95, 56.37, 60.46
CIE LCh	49, 82.664, 47.004
Yxy	17.5521, 0.5984, 0.3631
Android (android.graphics.Color)	4292099840 (0xFFD43F00)
YUV	100.3690, -49.4819, 97.9004
Hunter-Lab	41.8952, 49.9280, 26.6929

Details

The Yxy color **17.5521, 0.5984, 0.3631** 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 **26.2362, 0.1967, 0.2281**, and the grayscale version is **12.9545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7694, 0.5304, 0.3792**, and **6.2959, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.5533, 0.5984, 0.3631**, and if you desaturate by 10%, it is **19.4881, 0.5727, 0.3720**.

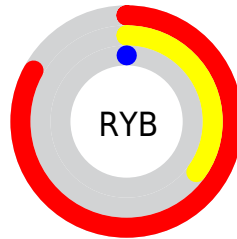
Distribution



Red (83%)

Green (25%)

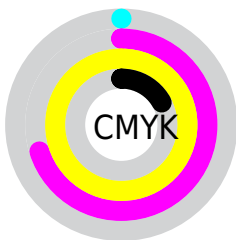
Blue (0%)



Red (83%)

Yellow (35%)

Blue (0%)

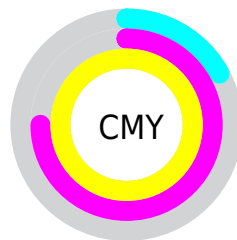


Cyan (0%)

Magenta (70%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (75%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5521, 0.5984, 0.3631 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 17.5521, 0.5984, 0.3631 by changing the saturation by 10% instead.


 17.5521, 0.5984,
0.3631


 17.5521, 0.5984,
0.3631


 238.3342, 0.4462,
0.3682


 10.6289, 0.6334,
0.3512


 39.2726, 0.5448,
0.3730


 5.8179, 0.6716,
0.3284


 54.8387, 0.5237,
0.3741

 2.7347, 0.7115,
0.2885


 74.0546, 0.5057,
0.3741

 0.9948, 0.7709,
0.2291

 97.3046, 0.4903,
0.3733


 0.0000, 1.0000,
0.0000


 124.9732, 0.4769,
0.3722


 0.0000, 0.0000,
0.0000


 157.4447, 0.4653,

0.3709

 195.1036, 0.4552,
0.3695


 17.5521, 0.5984,
0.3631


 17.5521, 0.5984,
0.3631


 17.5533, 0.5984,
0.3631

 19.4881, 0.5727,
0.3720

 21.9623, 0.5404,
0.3771

 25.0261, 0.5038,
0.3776

 28.7177, 0.4667,
0.3742

 33.0719, 0.4316,
0.3682

■ 38.1206, 0.4001,
0.3607

■ 43.8935, 0.3727,
0.3526

■ 50.4187, 0.3492,
0.3444

■ 57.7225, 0.3294,
0.3364

Harmonies

Analogous

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



17.5521, 0.5679, 0.2833



17.5521, 0.5984, 0.3631



17.5521, 0.5317, 0.4613

Triad

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



17.5521, 0.5984, 0.3631



17.5521, 0.1739, 0.5063



17.5521, 0.1598, 0.1312

Complementary

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



17.5521, 0.5984, 0.3631



26.2362, 0.1967, 0.2281

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.



17.5521, 0.1058, 0.1369



17.5521, 0.5984, 0.3631



17.5521, 0.1062, 0.3023

Square

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



17.5521, 0.5984, 0.3631



17.5521, 0.2878, 0.6284



17.5521, 0.0887, 0.1831



17.5521, 0.2666, 0.1560

Rectangle

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



17.5521, 0.5984, 0.3631



17.5521, 0.4576, 0.5374



17.5521, 0.0887, 0.1831



17.5521, 0.1369, 0.1295

Sweetspot

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



17.5533, 0.5984, 0.3631



66.3816, 0.3735, 0.3528



16.2600, 0.4093, 0.2029



13.3825, 0.3847, 0.3563



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.



17.5533, 0.5984, 0.3631



26.4032, 0.6001, 0.3617



41.2890, 0.4641, 0.4697



13.0166, 0.3284, 0.3360



10.9909, 0.5958, 0.3651



0.8062, 0.5614, 0.3924

Inverse Universe

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



26.2362, 0.1967, 0.2281



39.5351, 0.1964, 0.2270



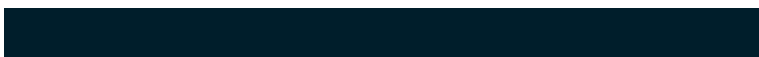
6.7015, 0.1559, 0.0813



13.4553, 0.2982, 0.3219



16.3807, 0.1971, 0.2297



1.1291, 0.2025, 0.2489

Previews

White Background



This preview shows how the Yxy color 17.5521, 0.5984, 0.3631 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 17.5521, 0.5984, 0.3631 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 17.5521, 0.5984, 0.3631

Background



This preview shows how black text looks on a background with the Yxy color 17.5521, 0.5984, 0.3631.



This preview shows how white text looks on a background with the Yxy color 17.5521, 0.5984, 0.3631.

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

17.5521, 0.5984, 0.3631

Protanopia

17.6900, 0.4321, 0.4768

Deuteranopia

17.6648, 0.4706, 0.4645



Tritanopia

17.6110, 0.5558, 0.3280

Trichromacy



Original Color

17.5521, 0.5984, 0.3631

Protanomaly

16.1609, 0.5044, 0.4277

Deuteranomaly

16.6633, 0.5254, 0.4210

Tritanomaly

17.5243, 0.5803, 0.3457

Monochromacy



Original Color

17.5521, 0.5984, 0.3631

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.8493, 0.4416, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5521, 0.5984, 0.3631 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(212, 63, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 63, 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(212, 63, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 63, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.5521, 0.5984, 0.3631 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(212, 63, 0) }
```

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

```
.border{ border-color:rgb(212, 63, 0) }
```

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

Here you see how a box with a 4 pixel rgb(212, 63, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 63, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 63, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 63, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.5521, 0.5984, 0.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 63, 0) }
```

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

```
.background{ background-color: rgb(212, 63,  
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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