

Converting Colors

$Y_{xy}(18.1168, 0.6017, 0.3604)$

Have a look what the booklet for
Yxy(18.1168, 0.6017, 0.3604)
contains.

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Color

Yxy(18.1970, 0.6014, 0.3607)

Conversions

Conversions Part 1

Format	Color
Hex	D93E00
RGB	217, 62, 0
RGB Percent	85%, 24%, 0%
CMY	0.1490, 0.7569, 1.0000
CMYK	0.00, 0.71, 1.00, 0.15
HSL	17°, 100%, 43%
HSV	17°, 100%, 85%
XYZ	30.3401, 18.1970, 1.9120
YIQ	101.2770, 112.2820, 13.5780

Conversions

Conversions Part 2

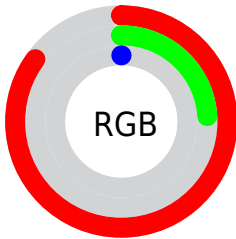
Format	Color
RYB	217, 87, 0
Decimal	14237184
CIELab	49.73, 58.38, 61.35
CIELCh	50, 84.686, 46.423
Yxy	18.1970, 0.6014, 0.3607
Android (android.graphics.Color)	4292427264 (0xFFD93E00)
YUV	101.2770, -49.9296, 101.4891
Hunter-Lab	42.6579, 52.3052, 27.2031

Details

The Yxy color **18.1970, 0.6014, 0.3607** 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 **28.4572, 0.1978, 0.2322**, and the grayscale version is **13.1994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7694, 0.5304, 0.3792**, and **6.7723, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.1982, 0.6014, 0.3607**, and if you desaturate by 10%, it is **20.1878, 0.5758, 0.3696**.

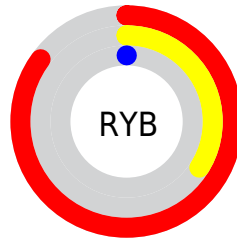
Distribution



Red (85%)

Green (24%)

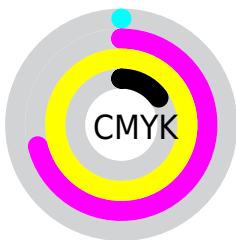
Blue (0%)



Red (85%)

Yellow (34%)

Blue (0%)

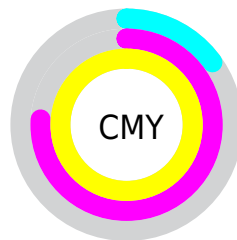


Cyan (0%)

Magenta (71%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1970, 0.6014, 0.3607 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 18.1970, 0.6014, 0.3607 by changing the saturation by 10% instead.


 18.1970, 0.6014,
0.3607


 18.1970, 0.6014,
0.3607


 241.9791, 0.4487,
0.3676


 11.0915, 0.6359,
0.3484


 40.3727, 0.5479,
0.3712


 6.1284, 0.6742,
0.3258

 56.2118, 0.5267,
0.3726


 2.9233, 0.7137,
0.2863

 75.7307, 0.5087,
0.3728

 1.0918, 0.7717,
0.2283

 99.3141, 0.4931,
0.3722

 0.0000, 1.0000,
0.0000


 127.3462, 0.4797,
0.3713


 0.0000, 0.0000,
0.0000


 160.2115, 0.4680,


0.3701


 198.2943, 0.4577,
0.3689

 18.1970, 0.6014,
0.3607

 18.1970, 0.6014,
0.3607


 18.1982, 0.6014,
0.3607

 20.1878, 0.5758,
0.3696

 22.7593, 0.5431,
0.3749

 25.9672, 0.5061,
0.3756

 29.8540, 0.4683,
0.3725

 34.4582, 0.4327,
0.3668

■ 39.8148, 0.4008,
0.3595

■ 45.9568, 0.3731,
0.3517

■ 52.9149, 0.3494,
0.3438

■ 60.7182, 0.3295,
0.3362

Harmonies

Analogous

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



18.1970, 0.5689, 0.2810



18.1970, 0.6014, 0.3607



18.1970, 0.5348, 0.4591

Triad

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



18.1970, 0.6014, 0.3607



18.1970, 0.1741, 0.5129



18.1970, 0.1570, 0.1295

Complementary

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



18.1970, 0.6014, 0.3607



28.4572, 0.1978, 0.2322

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.



18.1970, 0.1037, 0.1358



18.1970, 0.6014, 0.3607



18.1970, 0.1052, 0.3049

Square

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



18.1970, 0.6014, 0.3607



18.1970, 0.2891, 0.6324



18.1970, 0.0871, 0.1831



18.1970, 0.2633, 0.1539

Rectangle

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



18.1970, 0.6014, 0.3607



18.1970, 0.4604, 0.5364



18.1970, 0.0871, 0.1831



18.1970, 0.1343, 0.1280

Sweetspot

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



18.1982, 0.6014, 0.3607



65.9677, 0.3738, 0.3519



17.1374, 0.4095, 0.2029



13.2865, 0.3851, 0.3553



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.



18.1982, 0.6014, 0.3607



26.0055, 0.6029, 0.3595



43.4994, 0.4642, 0.4696



13.6544, 0.3284, 0.3357



11.1718, 0.5988, 0.3627



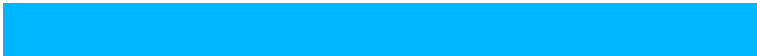
0.8693, 0.5664, 0.3884

Inverse Universe

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



28.4572, 0.1978, 0.2322



40.7372, 0.1976, 0.2312



7.0448, 0.1559, 0.0811



14.1682, 0.2982, 0.3222



17.4133, 0.1983, 0.2337



1.2724, 0.2031, 0.2511

Previews

White Background



This preview shows how the Yxy color 18.1970, 0.6014, 0.3607 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 18.1970, 0.6014, 0.3607 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 18.1970, 0.6014, 0.3607

Background



This preview shows how black text looks on a background with the Yxy color 18.1970, 0.6014, 0.3607.



This preview shows how white text looks on a background with the Yxy color 18.1970, 0.6014, 0.3607.

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

18.1970, 0.6014, 0.3607

Protanopia

18.3279, 0.4316, 0.4767

Deuteranopia

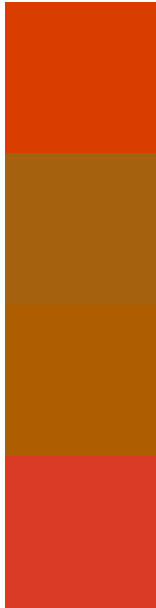
18.2943, 0.4699, 0.4651



Tritanopia

18.2578, 0.5614, 0.3281

Trichromacy



Original Color

18.1970, 0.6014, 0.3607

Protanomaly

16.6624, 0.5061, 0.4267

Deuteranomaly

17.0041, 0.5284, 0.4187

Tritanomaly

18.1733, 0.5848, 0.3447

Monochromacy



Original Color

18.1970, 0.6014, 0.3607

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.0262, 0.4446, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1970, 0.6014, 0.3607 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(217, 62, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 62, 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(217, 62, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 62, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.1970, 0.6014, 0.3607 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(217, 62, 0) }
```

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

```
.border{ border-color:rgb(217, 62, 0) }
```

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

Here you see how a box with a 4 pixel rgb(217, 62, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 62, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 62, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 62, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.1970, 0.6014, 0.3607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 62, 0) }
```

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

```
.background{ background-color: rgb(217, 62,  
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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