

Converting Colors

$Y_{xy}(18.4621, 0.5983, 0.3632)$

Have a look what the booklet for
Yxy(18.4621, 0.5983, 0.3632)
contains.

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Color

Yxy(18.5323, 0.5981, 0.3633)

Conversions

Conversions Part 1

Format	Color
Hex	D94100
RGB	217, 65, 0
RGB Percent	85%, 25%, 0%
CMY	0.1489, 0.7452, 1.0000
CMYK	0.00, 0.70, 1.00, 0.15
HSL	18°, 100%, 43%
HSV	18°, 100%, 85%
XYZ	30.5097, 18.5323, 1.9690
YIQ	103.0380, 111.4570, 12.0090

Conversions

Conversions Part 2

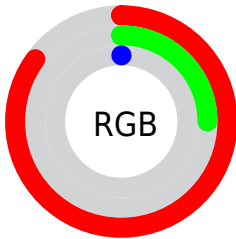
Format	Color
RYB	217, 93, 0
Decimal	14237952
CIELab	50.14, 57.28, 61.53
CIELCh	50, 84.067, 47.047
Yxy	18.5323, 0.5981, 0.3633
Android (android.graphics.Color)	4292428032 (0xFFD94100)
YUV	103.0380, -50.7977, 99.9447
Hunter-Lab	43.0492, 51.1700, 27.4225

Details

The Yxy color **18.5323, 0.5981, 0.3633** 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 **27.4783, 0.1965, 0.2272**, and the grayscale version is **13.6880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2610, 0.5277, 0.3805**, and **6.7723, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.5333, 0.5981, 0.3633**, and if you desaturate by 10%, it is **20.5763, 0.5726, 0.3723**.

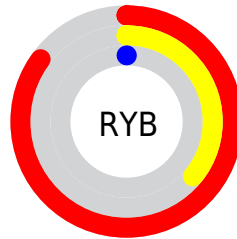
Distribution



Red (85%)

Green (25%)

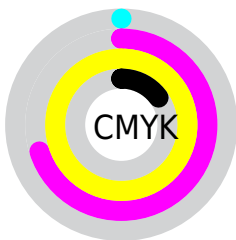
Blue (0%)



Red (85%)

Yellow (36%)

Blue (0%)

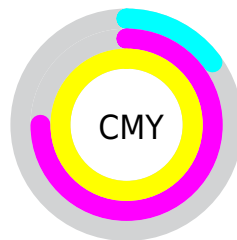


Cyan (0%)

Magenta (70%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (75%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5323, 0.5981, 0.3633 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 18.5323, 0.5981, 0.3633 by changing the saturation by 10% instead.


 18.5323, 0.5981,
0.3633


 18.5323, 0.5981,
0.3633


 243.8545, 0.4474,
0.3684


 11.3328, 0.6319,
0.3515


 40.9423, 0.5453,
0.3731


 6.2912, 0.6701,
0.3299


 56.9216, 0.5245,
0.3742

 3.0229, 0.7086,
0.2914

 76.5963, 0.5067,
0.3742

 1.1437, 0.7654,
0.2346

 100.3508, 0.4913,
0.3735

 0.0150, 0.9904,
0.0096

 128.5694, 0.4781,
0.3724


 0.0000, 1.0000,
0.0000

 161.6367, 0.4665,


 0.0000, 0.0000,


0.3712

0.0000


 199.9369, 0.4564,
0.3698


 18.5323, 0.5981,
0.3633

 18.5323, 0.5981,
0.3633


 18.5333, 0.5981,
0.3633

 20.5763, 0.5726,
0.3723

 23.1872, 0.5403,
0.3775

 26.4182, 0.5039,
0.3780

 30.3098, 0.4668,
0.3746

 34.8986, 0.4317,
0.3686

■ 40.2180, 0.4002,
0.3610

■ 46.2993, 0.3727,
0.3528

■ 53.1720, 0.3493,
0.3445

■ 60.8637, 0.3294,
0.3365

Harmonies

Analogous

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



18.5323, 0.5678, 0.2835



18.5323, 0.5981, 0.3633



18.5323, 0.5310, 0.4611

Triad

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



18.5323, 0.5981, 0.3633



18.5323, 0.1739, 0.5058



18.5323, 0.1601, 0.1313

Complementary

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



18.5323, 0.5981, 0.3633



27.4783, 0.1965, 0.2272

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.



18.5323, 0.1060, 0.1370



18.5323, 0.5981, 0.3633



18.5323, 0.1063, 0.3021

Square

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



18.5323, 0.5981, 0.3633



18.5323, 0.2878, 0.6280



18.5323, 0.0888, 0.1832



18.5323, 0.2669, 0.1562

Rectangle

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



18.5323, 0.5981, 0.3633



18.5323, 0.4569, 0.5370



18.5323, 0.0888, 0.1832



18.5323, 0.1371, 0.1297

Sweetspot

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



18.5334, 0.5981, 0.3633



66.4579, 0.3734, 0.3530



17.1389, 0.4095, 0.2029



13.4002, 0.3847, 0.3565



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.



18.5334, 0.5981, 0.3633



26.4783, 0.5996, 0.3621



43.5031, 0.4642, 0.4696



13.6840, 0.3284, 0.3361



11.3790, 0.5955, 0.3654



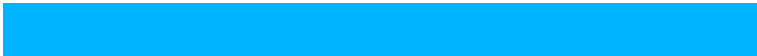
0.8858, 0.5632, 0.3910

Inverse Universe

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



27.4783, 0.1965, 0.2272



39.3170, 0.1962, 0.2262



7.0455, 0.1559, 0.0811



14.1369, 0.2982, 0.3218



16.8235, 0.1969, 0.2288



1.2379, 0.2020, 0.2471

Previews

White Background



This preview shows how the Yxy color 18.5323, 0.5981, 0.3633 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 18.5323, 0.5981, 0.3633 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 18.5323, 0.5981, 0.3633

Background



This preview shows how black text looks on a background with the Yxy color 18.5323, 0.5981, 0.3633.



This preview shows how white text looks on a background with the Yxy color 18.5323, 0.5981, 0.3633.

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

18.5323, 0.5981, 0.3633

Protanopia

18.6498, 0.4316, 0.4770

Deuteranopia

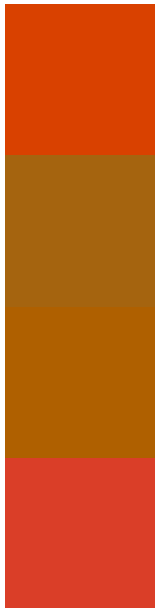
18.6139, 0.4695, 0.4654



Tritanopia

18.6018, 0.5550, 0.3280

Trichromacy



Original Color

18.5323, 0.5981, 0.3633

Protanomaly

17.1482, 0.5039, 0.4286

Deuteranomaly

17.4797, 0.5260, 0.4206

Tritanomaly

18.5039, 0.5802, 0.3461

Monochromacy



Original Color

18.5323, 0.5981, 0.3633

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.4674, 0.4407, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5323, 0.5981, 0.3633 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, 65, 0)` looks like.

```
.text, #text, p{  
  color:rgb(217, 65, 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, 65, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 65, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.5323, 0.5981, 0.3633 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, 65, 0) }
```

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

```
.border{ border-color:rgb(217, 65, 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, 65, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 65, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 65, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 65, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.5323, 0.5981, 0.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 65, 0) }
```

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

```
.background{ background-color: rgb(217, 65,  
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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