

Converting Colors

$Y_{xy}(18.5613, 0.6255, 0.3415)$

Have a look what the booklet for
Yxy(18.5613, 0.6255, 0.3415)
contains.

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Color

Yxy(18.5420, 0.6256, 0.3415)

Conversions

Conversions Part 1

Format	Color
Hex	E82600
RGB	232, 38, 0
RGB Percent	91%, 15%, 0%
CMY	0.0903, 0.8507, 1.0000
CMYK	0.00, 0.84, 1.00, 0.09
HSL	10°, 100%, 45%
HSV	10°, 100%, 91%
XYZ	33.9674, 18.5420, 1.7863
YIQ	91.6740, 127.8220, 29.3100

Conversions

Conversions Part 2

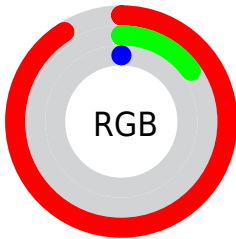
Format	Color
R_{YB}	232, 45, 0
Decimal	15214080
CIE _{Lab}	50.15, 69.71, 63.23
CIE _{LCh}	50, 94.110, 42.210
Yxy	18.5420, 0.6256, 0.3415
Android (android.graphics.Color)	4293404160 (0xFFE82600)
YUV	91.6740, -45.1953, 123.0659
Hunter-Lab	43.0604, 65.4507, 27.6827

Details

The Yxy color **18.5420, 0.6256, 0.3415** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **44.3714, 0.2097, 0.2751**, and the grayscale version is **10.7154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4661, 0.5458, 0.3658**, and **8.1070, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.5433, 0.6256, 0.3415**, and if you desaturate by 10%, it is **20.1873, 0.6022, 0.3482**.

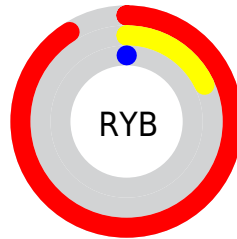
Distribution



Red (91%)

Green (15%)

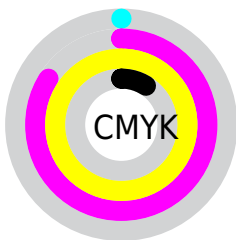
Blue (0%)



Red (91%)

Yellow (18%)

Blue (0%)

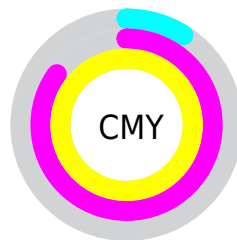


Cyan (0%)

Magenta (84%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (85%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5420, 0.6256, 0.3415 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 18.5420, 0.6256, 0.3415 by changing the saturation by 10% instead.


 18.5420, 0.6256,
0.3415


 18.5420, 0.6256,
0.3415


 243.9085, 0.4620,
0.3616


 11.3398, 0.6620,
0.3259


 40.9587, 0.5690,
0.3573

 6.2959, 0.7007,
0.2993


 56.9421, 0.5464,
0.3606

 3.0258, 0.7424,
0.2576


 76.6213, 0.5270,
0.3624

 1.1452, 0.8012,
0.1988

 100.3807, 0.5103,
0.3631

 0.0163, 0.9921,
0.0079

 128.6047, 0.4957,
0.3632

 0.0000, 1.0000,
0.0000


 161.6778, 0.4830,

 0.0000, 0.0000,

0.3629


0.0000

 199.9842, 0.4718,
0.3623


 18.5420, 0.6256,
0.3415


 18.5420, 0.6256,
0.3415


 18.5433, 0.6256,
0.3415

 20.1873, 0.6022,
0.3482

 22.6400, 0.5678,
0.3530

 25.9998, 0.5263,
0.3548

 30.3458, 0.4832,
0.3538

 35.7484, 0.4426,
0.3509

■ 42.2713, 0.4067,
0.3468

■ 49.9731, 0.3762,
0.3422

■ 58.9085, 0.3508,
0.3376

■ 69.1286, 0.3299,
0.3332

Harmonies

Analogous

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



18.5420, 0.5769, 0.2624



18.5420, 0.6256, 0.3415



18.5420, 0.5591, 0.4409

Triad

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



18.5420, 0.6256, 0.3415



18.5420, 0.1739, 0.5676



18.5420, 0.1356, 0.1165

Complementary

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



18.5420, 0.6256, 0.3415



44.3714, 0.2097, 0.2751

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.



18.5420, 0.0876, 0.1267



18.5420, 0.6256, 0.3415



18.5420, 0.0966, 0.3268

Square

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



18.5420, 0.6256, 0.3415



18.5420, 0.2963, 0.6614



18.5420, 0.0745, 0.1818



18.5420, 0.2379, 0.1372

Rectangle

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



18.5420, 0.6256, 0.3415



18.5420, 0.4777, 0.5223



18.5420, 0.0745, 0.1818



18.5420, 0.1148, 0.1163

Sweetspot

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



18.5433, 0.6256, 0.3415



61.7792, 0.3766, 0.3423



21.1926, 0.3635, 0.1776



12.3204, 0.3889, 0.3443



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.



18.5433, 0.6256, 0.3415



22.9048, 0.6262, 0.3410



39.2181, 0.4992, 0.4419



14.7481, 0.3288, 0.3329



10.4173, 0.6234, 0.3432



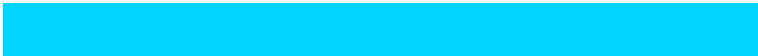
0.8855, 0.5978, 0.3635

Inverse Universe

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



44.3714, 0.2097, 0.2751



54.8873, 0.2097, 0.2748



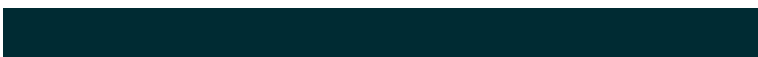
11.7389, 0.1638, 0.1098



15.9125, 0.2981, 0.3250



24.7958, 0.2100, 0.2760



1.9401, 0.2124, 0.2845

Previews

White Background



This preview shows how the Yxy color 18.5420, 0.6256, 0.3415 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 18.5420, 0.6256, 0.3415 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 18.5420, 0.6256, 0.3415

Background



This preview shows how black text looks on a background with the Yxy color 18.5420, 0.6256, 0.3415.



This preview shows how white text looks on a background with the Yxy color 18.5420, 0.6256, 0.3415.

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

18.5420, 0.6256, 0.3415

Protanopia

18.6677, 0.4294, 0.4739

Deuteranopia

18.6139, 0.4695, 0.4654



Tritanopia

18.5274, 0.6113, 0.3313

Trichromacy



Original Color

18.5420, 0.6256, 0.3415

Protanomaly

15.9020, 0.5241, 0.4097

Deuteranomaly

16.3589, 0.5469, 0.4039

Tritanomaly

18.5331, 0.6184, 0.3364

Monochromacy



Original Color

18.5420, 0.6256, 0.3415

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.7901, 0.4704, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5420, 0.6256, 0.3415 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(232, 38, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 38, 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(232, 38, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 38, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.5420, 0.6256, 0.3415 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(232, 38, 0) }
```

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

```
.border{ border-color:rgb(232, 38, 0) }
```

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

Here you see how a box with a 4 pixel rgb(232, 38, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 38, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 38, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 38, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.5420, 0.6256, 0.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 38, 0) }
```

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

```
.background{ background-color: rgb(232, 38,  
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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