

Converting Colors

$Yxy(18.5144, 0.6193, 0.3299)$

Have a look what the booklet for
Yxy(18.5144, 0.6193, 0.3299)
contains.

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Color

Yxy(18.5765, 0.6196, 0.3299)

Conversions

Conversions Part 1

Format	Color
Hex	EB1C1C
RGB	235, 28, 28
RGB Percent	92%, 11%, 11%
CMY	0.0784, 0.8903, 0.8903
CMYK	0.00, 0.88, 0.88, 0.08
HSL	0°, 84%, 52%
HSV	0°, 88%, 92%
XYZ	34.8894, 18.5765, 2.8436
YIQ	89.8930, 123.3720, 43.8840

Conversions

Conversions Part 2

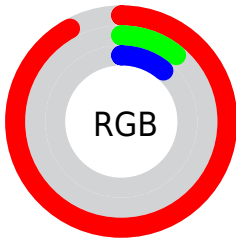
Format	Color
RYB	235, 28, 28
Decimal	15408156
CIELab	50.19, 72.71, 54.78
CIELCh	50, 91.037, 36.994
Yxy	18.5765, 0.6196, 0.3299
Android (android.graphics.Color)	4293598236 (0xFFEB1C1C)
YUV	89.8930, -30.5132, 127.2588
Hunter-Lab	43.1005, 69.0680, 26.2586

Details

The Yxy color **18.5765, 0.6196, 0.3299** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **65.6701, 0.2262, 0.3287**, and the grayscale version is **10.2445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8961, 0.5333, 0.3498**, and **8.4350, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.7716, 0.6376, 0.3300**, and if you desaturate by 10%, it is **20.3173, 0.5857, 0.3298**.

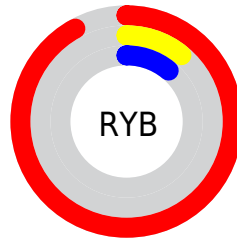
Distribution



Red (92%)

Green (11%)

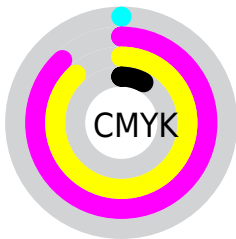
Blue (11%)



Red (92%)

Yellow (11%)

Blue (11%)

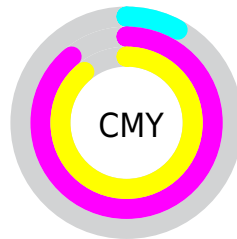


Cyan (0%)

Magenta (88%)

Yellow (88%)

Black (8%)



Cyan (8%)


Magenta (89%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5765, 0.6196, 0.3299 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 18.5765, 0.6196, 0.3299 by changing the saturation by 10% instead.


 18.5765, 0.6196,
0.3299


 18.5765, 0.6196,
0.3299


244.1007, 0.4547,
0.3517


 11.3647, 0.6573,
0.3146


 41.0172, 0.5605,
0.3450

 6.3127, 0.7075,
0.2925


 57.0150, 0.5377,
0.3484


 3.0361, 0.7497,
0.2503

 76.7101, 0.5183,
0.3504

 1.1506, 0.8086,
0.1914

 100.4870, 0.5017,
0.3515

 0.0208, 0.9906,
0.0094

 128.7301, 0.4875,
0.3520


 0.0000, 1.0000,
0.0000


 161.8239, 0.4751,

 0.0000, 0.0000,


0.3521


0.0000

 200.1526, 0.4643,
0.3520


 18.5765, 0.6196,
0.3299

 18.5765, 0.6196,
0.3299


 17.7716, 0.6376,
0.3300


 20.3173, 0.5857,
0.3298


 17.6647, 0.6401,
0.3300


 23.2014, 0.5407,
0.3297


 27.3807, 0.4923,
0.3295

 32.9834, 0.4468,
0.3294

 40.1220, 0.4072,
0.3293

 48.8980, 0.3744,
0.3292

 59.4040, 0.3479,
0.3291

 71.7259, 0.3267,
0.3290

 85.9437, 0.3098,
0.3290

Harmonies

Analogous

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



18.5765, 0.5464, 0.2518



18.5765, 0.6196, 0.3299



18.5765, 0.5724, 0.4233

Triad

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



18.5765, 0.6196, 0.3299



18.5765, 0.1982, 0.5918



18.5765, 0.1279, 0.1201

Complementary

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



18.5765, 0.6196, 0.3299



65.6701, 0.2262, 0.3287

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.



18.5765, 0.0871, 0.1367



18.5765, 0.6196, 0.3299



18.5765, 0.1106, 0.3648

Square

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



18.5765, 0.6196, 0.3299



18.5765, 0.3228, 0.6438



18.5765, 0.0799, 0.2031



18.5765, 0.2179, 0.1354

Rectangle

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



18.5765, 0.6196, 0.3299



18.5765, 0.4997, 0.5003



18.5765, 0.0799, 0.2031



18.5765, 0.1099, 0.1217

Sweetspot

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



18.5777, 0.6196, 0.3299



61.1875, 0.3686, 0.3292



24.4929, 0.3207, 0.1581



12.2301, 0.3789, 0.3292



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.



18.5777, 0.6196, 0.3299



21.2600, 0.6401, 0.3300



34.1140, 0.5189, 0.4150



15.0541, 0.3293, 0.3291



9.8298, 0.6401, 0.3300



0.7719, 0.6401, 0.3300

Inverse Universe

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



65.6701, 0.2262, 0.3287



78.7393, 0.2247, 0.3287



22.6111, 0.1848, 0.1767



17.1219, 0.2981, 0.3290



36.4060, 0.2247, 0.3287



2.8588, 0.2247, 0.3287

Previews

White Background



This preview shows how the Yxy color 18.5765, 0.6196, 0.3299 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 18.5765, 0.6196, 0.3299 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 18.5765, 0.6196, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 18.5765, 0.6196, 0.3299.



This preview shows how white text looks on a background with the Yxy color 18.5765, 0.6196, 0.3299.

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

18.5765, 0.6196, 0.3299

Protanopia

18.7147, 0.4136, 0.4531

Deuteranopia

18.7100, 0.4708, 0.4644



Tritanopia

18.6028, 0.6222, 0.3321

Trichromacy



Original Color

18.5765, 0.6196, 0.3299

Protanomaly

15.6344, 0.5117, 0.3883

Deuteranomaly

16.1535, 0.5498, 0.3958

Tritanomaly

18.6111, 0.6210, 0.3314

Monochromacy



Original Color

18.5765, 0.6196, 0.3299

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.2592, 0.4607, 0.3294

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5765, 0.6196, 0.3299 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(235, 28, 28)` looks like.

```
.text, #text, p{  
    color:rgb(235, 28, 28)  
}
```

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(235, 28, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 28, 28) }
```

Border

The CSS property to change the border of an element to Yxy 18.5765, 0.6196, 0.3299 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(235, 28, 28) }
```

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

```
.border{ border-color:rgb(235, 28, 28) }
```

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

Here you see how a box with a 4 pixel rgb(235, 28, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 28, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 28, 28);  
box-shadow:4px 4px 4px 4px rgb(235, 28,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5765, 0.6196, 0.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 28, 28) }
```

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

```
.background{ background-color: rgb(235, 28,  
28) }
```

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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