

Converting Colors

$Y_{xy}(18.5065, 0.6168, 0.3295)$

Have a look what the booklet for
Yxy(18.5065, 0.6168, 0.3295)
contains.

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Color

Yxy(18.5199, 0.6163, 0.3295)

Conversions

Conversions Part 1

Format	Color
Hex	EA1E1F
RGB	234, 30, 31
RGB Percent	92%, 12%, 12%
CMY	0.0824, 0.8821, 0.8784
CMYK	0.00, 0.87, 0.87, 0.08
HSL	360°, 83%, 52%
HSV	360°, 87%, 92%
XYZ	34.6398, 18.5199, 3.0464
YIQ	91.1100, 121.2630, 43.5590

Conversions

Conversions Part 2

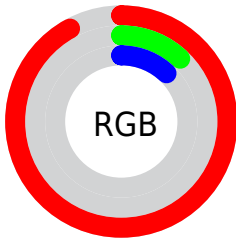
Format	Color
R_{YB}	234, 30, 31
Decimal	15343135
CIE Lab	50.12, 72.15, 53.29
CIE LCh	50, 89.690, 36.449
Yxy	18.5199, 0.6163, 0.3295
Android (android.graphics.Color)	4293533215 (0xFFEA1E1F)
YUV	91.1100, -29.6342, 125.3145
Hunter-Lab	43.0348, 68.3685, 25.9273

Details

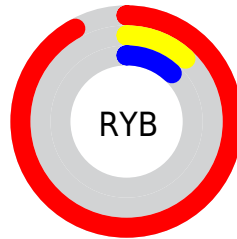
The Yxy color **18.5199, 0.6163, 0.3295** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **64.9994, 0.2268, 0.3300**, and the grayscale version is **10.5457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1319, 0.5294, 0.3484**, and **8.3248, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.6516, 0.6360, 0.3298**, and if you desaturate by 10%, it is **20.3485, 0.5808, 0.3292**.

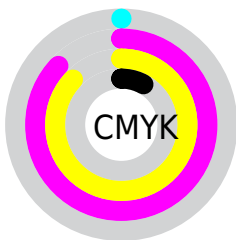
Distribution



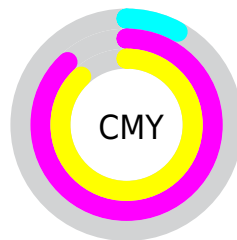
- Red (92%)
- Green (12%)
- Blue (12%)



- Red (92%)
- Yellow (12%)
- Blue (12%)



- Cyan (0%)
- Magenta (87%)
- Yellow (87%)
- Black (8%)





- Cyan (8%)
- Magenta (88%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5199, 0.6163, 0.3295 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 18.5199, 0.6163, 0.3295 by changing the saturation by 10% instead.


 18.5199, 0.6163,
0.3295


 18.5199, 0.6163,
0.3295


243.7854, 0.4524,
0.3506


 11.3239, 0.6543,
0.3146


 40.9213, 0.5572,
0.3441

 6.2851, 0.7064,
0.2936


 56.8954, 0.5345,
0.3474

 3.0192, 0.7487,
0.2513

 76.5643, 0.5152,
0.3493

 1.1418, 0.8076,
0.1924

 100.3125, 0.4988,
0.3504

 0.0134, 0.9939,
0.0061

 128.5243, 0.4847,
0.3509


 0.0000, 1.0000,
0.0000


 161.5841, 0.4725,


 0.0000, 0.0000,


0.3510

0.0000

 199.8763, 0.4618,
0.3509


 18.5199, 0.6163,
0.3295


 18.5199, 0.6163,
0.3295


 17.6516, 0.6360,
0.3298

 20.3485, 0.5808,
0.3292


 17.4921, 0.6397,
0.3298


 23.3238, 0.5351,
0.3290

 27.5932, 0.4869,
0.3289


 33.2816, 0.4420,
0.3288

 40.4991, 0.4033,
0.3288

 49.3448, 0.3713,
0.3288

 59.9096, 0.3455,
0.3289

 72.2778, 0.3248,
0.3290

 86.5279, 0.3084,
0.3290

Harmonies

Analogous

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



18.5199, 0.5409, 0.2516



18.5199, 0.6163, 0.3295



18.5199, 0.5717, 0.4216

Triad

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



18.5199, 0.6163, 0.3295



18.5199, 0.2022, 0.5906



18.5199, 0.1284, 0.1217

Complementary

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



18.5199, 0.6163, 0.3295



64.9994, 0.2268, 0.3300

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.



18.5199, 0.0884, 0.1391



18.5199, 0.6163, 0.3295



18.5199, 0.1138, 0.3687

Square

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



18.5199, 0.6163, 0.3295



18.5199, 0.3265, 0.6391



18.5199, 0.0819, 0.2068



18.5199, 0.2169, 0.1364

Rectangle

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



18.5199, 0.6163, 0.3295



18.5199, 0.5018, 0.4982



18.5199, 0.0819, 0.2068



18.5199, 0.1107, 0.1236

Sweetspot

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



18.5211, 0.6163, 0.3295



61.2007, 0.3684, 0.3288



23.7920, 0.3171, 0.1567



12.2331, 0.3786, 0.3288



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.



18.5211, 0.6163, 0.3295



21.2626, 0.6397, 0.3298



33.1873, 0.5208, 0.4119



15.0552, 0.3292, 0.3289



9.8316, 0.6396, 0.3297



0.7724, 0.6382, 0.3289

Inverse Universe

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



18.5211, 0.6163, 0.3295



21.2626, 0.6397, 0.3298



23.6643, 0.1870, 0.1836



15.0552, 0.3292, 0.3289



9.8316, 0.6396, 0.3297



0.7724, 0.6382, 0.3289

Previews

White Background



This preview shows how the Yxy color 18.5199, 0.6163, 0.3295 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 18.5199, 0.6163, 0.3295 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 18.5199, 0.6163, 0.3295

Background



This preview shows how black text looks on a background with the Yxy color 18.5199, 0.6163, 0.3295.



This preview shows how white text looks on a background with the Yxy color 18.5199, 0.6163, 0.3295.

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

18.5199, 0.6163, 0.3295

Protanopia

18.7403, 0.4109, 0.4491

Deuteranopia

18.7100, 0.4708, 0.4644



Tritanopia

18.5470, 0.6192, 0.3319

Trichromacy



Original Color

18.5199, 0.6163, 0.3295

Protanomaly

15.5443, 0.5073, 0.3858

Deuteranomaly

16.1558, 0.5494, 0.3955

Tritanomaly

18.5562, 0.6179, 0.3311

Monochromacy



Original Color

18.5199, 0.6163, 0.3295

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.5256, 0.4548, 0.3294

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5199, 0.6163, 0.3295 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(234, 30, 31)` looks like.

```
.text, #text, p{  
    color:rgb(234, 30, 31)  
}
```

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(234, 30, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 30, 31) }
```

Border

The CSS property to change the border of an element to Yxy 18.5199, 0.6163, 0.3295 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(234, 30, 31) }
```

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

```
.border{ border-color:rgb(234, 30, 31) }
```

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

Here you see how a box with a 4 pixel rgb(234, 30, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 30, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 30, 31);  
box-shadow:4px 4px 4px 4px rgb(234, 30,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5199, 0.6163, 0.3295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 30, 31) }
```

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

```
.background{ background-color: rgb(234, 30,  
31) }
```

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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