

Converting Colors

$Y_{xy}(18.3930, 0.6159, 0.3299)$

Have a look what the booklet for
Yxy(18.3930, 0.6159, 0.3299)
contains.

Yxy(18.4025, 0.6156, 0.3299)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.4025, 0.6156, 0.3299)

Conversions

Conversions Part 1

Format	Color
Hex	E91F1F
RGB	233, 31, 31
RGB Percent	91%, 12%, 12%
CMY	0.0863, 0.8782, 0.8783
CMYK	0.00, 0.87, 0.87, 0.09
HSL	0°, 82%, 52%
HSV	0°, 87%, 91%
XYZ	34.3394, 18.4025, 3.0401
YIQ	91.3980, 120.3920, 42.8240

Conversions

Conversions Part 2

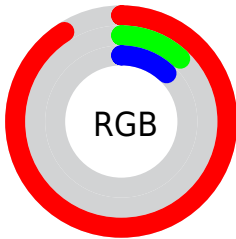
Format	Color
RYB	233, 31, 31
Decimal	15277855
CIELab	49.98, 71.71, 53.09
CIELCh	50, 89.224, 36.510
Yxy	18.4025, 0.6156, 0.3299
Android (android.graphics.Color)	4293467935 (0xFFE91F1F)
YUV	91.3980, -29.7762, 124.1850
Hunter-Lab	42.8981, 67.8153, 25.8269

Details

The Yxy color **18.4025, 0.6156, 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 **64.4299, 0.2265, 0.3287**, and the grayscale version is **10.6131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1319, 0.5294, 0.3484**, and **8.2155, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.5072, 0.6357, 0.3300**, and if you desaturate by 10%, it is **20.2622, 0.5796, 0.3298**.

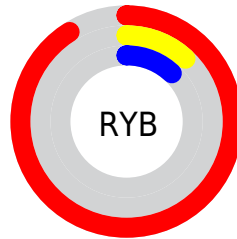
Distribution



Red (91%)

Green (12%)

Blue (12%)



Red (91%)

Yellow (12%)

Blue (12%)

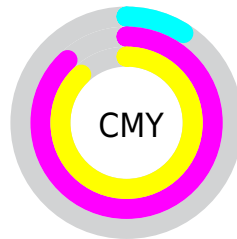


Cyan (0%)

Magenta (87%)

Yellow (87%)

Black (9%)



Cyan (9%)


Magenta (88%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4025, 0.6156, 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 18.4025, 0.6156, 0.3299 by changing the saturation by 10% instead.


 18.4025, 0.6156,
0.3299

 18.4025, 0.6156,
0.3299


243.1301, 0.4518,
0.3507


 11.2393, 0.6537,
0.3151


 40.7220, 0.5565,
0.3444


 6.2281, 0.7059,
0.2941

 56.6471, 0.5338,
0.3476

 2.9842, 0.7483,
0.2517

 76.2617, 0.5145,
0.3495

 1.1235, 0.8075,
0.1925

 99.9501, 0.4982,
0.3506


 0.0000, 1.0000,
0.0000


 128.0967, 0.4841,
0.3510


 0.0000, 0.0000,
0.0000


 161.0860, 0.4719,

0.3511


 199.3023, 0.4612,
0.3510


 18.4025, 0.6156,
0.3299


 18.4025, 0.6156,
0.3299


 17.5072, 0.6357,
0.3300

 20.2622, 0.5796,
0.3298


 17.3226, 0.6401,
0.3300

 23.2649, 0.5337,
0.3297


 27.5556, 0.4855,
0.3295


 33.2571, 0.4407,
0.3294

 40.4779, 0.4021,
0.3293

 49.3157, 0.3702,
0.3292

 59.8604, 0.3446,
0.3291

 72.1949, 0.3240,
0.3290

 86.3971, 0.3077,
0.3290

Harmonies

Analogous

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



18.4025, 0.5405, 0.2520



18.4025, 0.6156, 0.3299



18.4025, 0.5711, 0.4219

Triad

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



18.4025, 0.6156, 0.3299



18.4025, 0.2024, 0.5892



18.4025, 0.1289, 0.1221

Complementary

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



18.4025, 0.6156, 0.3299



64.4299, 0.2265, 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.



18.4025, 0.0888, 0.1395



18.4025, 0.6156, 0.3299



18.4025, 0.1141, 0.3682

Square

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



18.4025, 0.6156, 0.3299



18.4025, 0.3265, 0.6384



18.4025, 0.0823, 0.2069



18.4025, 0.2174, 0.1369

Rectangle

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



18.4025, 0.6156, 0.3299



18.4025, 0.5015, 0.4985



18.4025, 0.0823, 0.2069



18.4025, 0.1112, 0.1240

Sweetspot

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



18.4037, 0.6156, 0.3299



61.1914, 0.3686, 0.3292



24.1857, 0.3207, 0.1589



12.2309, 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.



18.4037, 0.6156, 0.3299



21.2608, 0.6401, 0.3300



33.9253, 0.5156, 0.4155



15.0544, 0.3293, 0.3291



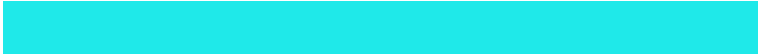
9.8304, 0.6401, 0.3300



0.7720, 0.6400, 0.3300

Inverse Universe

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



64.4299, 0.2265, 0.3287



78.7170, 0.2246, 0.3287



22.6787, 0.1861, 0.1794



17.1215, 0.2981, 0.3290



36.3959, 0.2246, 0.3287



2.8581, 0.2246, 0.3287

Previews

White Background



This preview shows how the Yxy color 18.4025, 0.6156, 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 18.4025, 0.6156, 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 18.4025, 0.6156, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 18.4025, 0.6156, 0.3299.



This preview shows how white text looks on a background with the Yxy color 18.4025, 0.6156, 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

18.4025, 0.6156, 0.3299

Protanopia

18.6585, 0.4095, 0.4498

Deuteranopia

18.6139, 0.4695, 0.4654



Tritanopia

18.4358, 0.6179, 0.3319

Trichromacy



Original Color

18.4025, 0.6156, 0.3299

Protanomaly

15.5963, 0.5048, 0.3877

Deuteranomaly

16.1886, 0.5470, 0.3973

Tritanomaly

18.4405, 0.6172, 0.3315

Monochromacy



Original Color

18.4025, 0.6156, 0.3299

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 18.4025, 0.6156, 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(233, 31, 31)` looks like.

```
.text, #text, p{  
  color:rgb(233, 31, 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(233, 31, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 31, 31) }
```

Border

The CSS property to change the border of an element to Yxy 18.4025, 0.6156, 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(233, 31, 31) }
```

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

```
.border{ border-color:rgb(233, 31, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 31, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 31, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 31, 31);  
box-shadow:4px 4px 4px 4px rgb(233, 31,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4025, 0.6156, 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(233, 31, 31) }
```

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

```
.background{ background-color: rgb(233, 31,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor