

Converting Colors

$Yxy(18.1353, 0.6249, 0.3216)$

Have a look what the booklet for
Yxy(18.1353, 0.6249, 0.3216)
contains.

Yxy(18.1088, 0.6249, 0.3216)	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(18.1088, 0.6249, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	ED0020
RGB	237, 0, 32
RGB Percent	93%, 0%, 13%
CMY	0.0706, 0.9999, 0.8742
CMYK	0.00, 1.00, 0.86, 0.07
HSL	352°, 100%, 46%
HSV	352°, 100%, 93%
XYZ	35.1872, 18.1088, 3.0125
YIQ	74.5110, 130.9800, 60.1960

Conversions

Conversions Part 2

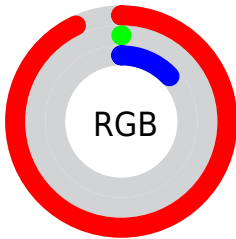
Format	Color
R _Y B	237, 0, 32
Decimal	15532064
CIE Lab	49.63, 76.14, 52.66
CIE LCh	50, 92.578, 34.669
Yxy	18.1088, 0.6249, 0.3216
Android (android.graphics.Color)	4293722144 (0xFFED0020)
YUV	74.5110, -20.9579, 142.5029
Hunter-Lab	42.5544, 73.1267, 25.5909

Details

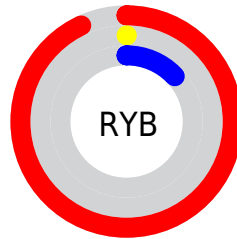
The Yxy color **18.1088, 0.6249, 0.3216** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **64.9748, 0.2369, 0.3726**, and the grayscale version is **6.9682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6532, 0.5359, 0.3413**, and **8.6579, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.1094, 0.6249, 0.3216**, and if you desaturate by 10%, it is **18.8998, 0.5995, 0.3158**.

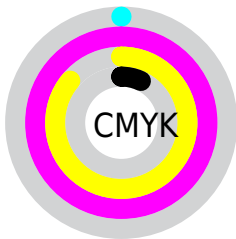
Distribution



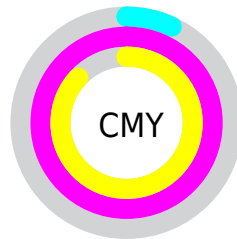
- Red (93%)
- Green (0%)
- Blue (13%)



- Red (93%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (86%)
- Black (7%)




- Cyan (7%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1088, 0.6249, 0.3216 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 18.1088, 0.6249, 0.3216 by changing the saturation by 10% instead.


 18.1088, 0.6249,
0.3216


 18.1088, 0.6249,
0.3216

241.4836, 0.4560,
0.3475


 11.0281, 0.6640,
0.3055


 40.2226, 0.5640,
0.3380


 6.0858, 0.7173,
0.2827

 56.0246, 0.5406,
0.3420

 2.8973, 0.7608,
0.2392

 75.5024, 0.5207,
0.3445

 1.0784, 0.8208,
0.1792

 99.0405, 0.5038,
0.3460


 0.0000, 1.0000,
0.0000

 127.0233, 0.4893,
0.3469


 0.0000, 0.0000,
0.0000

 159.8351, 0.4767,


0.3474


 197.8604, 0.4657,
0.3475


 18.1088, 0.6249,
0.3216

 18.1088, 0.6249,
0.3216

 18.1094, 0.6249,
0.3216

 18.8998, 0.5995,
0.3158

 20.5536, 0.5627,
0.3112

 23.3271, 0.5195,
0.3092

 27.3734, 0.4755,
0.3096

 32.8217, 0.4350,
0.3117

■ 39.7852, 0.4000,
0.3148

■ 48.3656, 0.3709,
0.3184

■ 58.6557, 0.3472,
0.3221

■ 70.7414, 0.3281,
0.3257

Harmonies

Analogous

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



18.1088, 0.5404, 0.2438



18.1088, 0.6249, 0.3216



18.1088, 0.5830, 0.4140

Triad

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



18.1088, 0.6249, 0.3216



18.1088, 0.2035, 0.6132



18.1088, 0.1204, 0.1170

Complementary

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



18.1088, 0.6249, 0.3216



64.9748, 0.2369, 0.3726

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.



18.1088, 0.0824, 0.1363



18.1088, 0.6249, 0.3216



18.1088, 0.1113, 0.3829

Square

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



18.1088, 0.6249, 0.3216



18.1088, 0.3308, 0.6457



18.1088, 0.0773, 0.2084



18.1088, 0.2064, 0.1301

Rectangle

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



18.1088, 0.6249, 0.3216



18.1088, 0.5098, 0.4902



18.1088, 0.0773, 0.2084



18.1088, 0.1035, 0.1194

Sweetspot

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



18.1100, 0.6249, 0.3216



56.9676, 0.3712, 0.3183



18.5956, 0.2827, 0.1331



11.2263, 0.3829, 0.3168



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.



18.1100, 0.6249, 0.3216



21.3783, 0.6255, 0.3220



24.1860, 0.5861, 0.3729



15.0872, 0.3272, 0.3258



9.8978, 0.6221, 0.3201



0.7877, 0.5903, 0.3025

Inverse Universe

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



18.1100, 0.6249, 0.3216



21.3783, 0.6255, 0.3220



29.2453, 0.1912, 0.2082



15.0872, 0.3272, 0.3258



9.8978, 0.6221, 0.3201



0.7877, 0.5903, 0.3025

Previews

White Background



This preview shows how the Yxy color 18.1088, 0.6249, 0.3216 looks on a white 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

Black Background



This preview shows how the Yxy color 18.1088, 0.6249, 0.3216 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 18.1088, 0.6249, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 18.1088, 0.6249, 0.3216.



This preview shows how white text looks on a background with the Yxy color 18.1088, 0.6249, 0.3216.

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

18.1088, 0.6249, 0.3216

Protanopia

18.6858, 0.4067, 0.4455

Deuteranopia

18.6139, 0.4695, 0.4654



Tritanopia

18.3692, 0.6345, 0.3344

Trichromacy



Original Color

18.1088, 0.6249, 0.3216

Protanomaly

14.0241, 0.5210, 0.3677

Deuteranomaly

14.7367, 0.5643, 0.3825

Tritanomaly

18.1473, 0.6332, 0.3302

Monochromacy



Original Color

18.1088, 0.6249, 0.3216

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.4980, 0.4836, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1088, 0.6249, 0.3216 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(237, 0, 32)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 32)  
}
```

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(237, 0, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 32) }
```

Border

The CSS property to change the border of an element to Yxy 18.1088, 0.6249, 0.3216 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(237, 0, 32) }
```

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

```
.border{ border-color:rgb(237, 0, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 0, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 32);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 32)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.1088, 0.6249, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 32) }
```

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

```
.background{ background-color: rgb(237, 0,  
32) }
```

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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