

Converting Colors

$Yxy(18.2815, 0.6052, 0.3108)$

Have a look what the booklet for
Yxy(18.2815, 0.6052, 0.3108)
contains.

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Color

Yxy(18.2525, 0.6056, 0.3110)

Conversions

Conversions Part 1

Format	Color
Hex	ED0034
RGB	237, 0, 52
RGB Percent	93%, 0%, 20%
CMY	0.0706, 0.9995, 0.7962
CMYK	0.00, 1.00, 0.78, 0.07
HSL	347°, 100%, 46%
HSV	347°, 100%, 93%
XYZ	35.5425, 18.2525, 4.8947
YIQ	76.7910, 124.5600, 66.4160

Conversions

Conversions Part 2

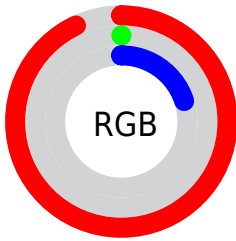
Format	Color
RYB	237, 0, 52
Decimal	15532084
CIELab	49.80, 76.60, 42.34
CIElCh	50, 87.521, 28.929
Yxy	18.2525, 0.6056, 0.3110
Android (android.graphics.Color)	4293722164 (0xFFED0034)
YUV	76.7910, -12.2220, 140.5033
Hunter-Lab	42.7229, 73.7343, 23.1133

Details

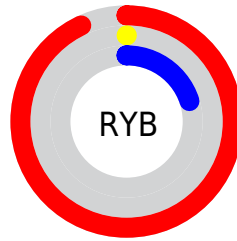
The Yxy color **18.2525, 0.6056, 0.3110** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **64.0740, 0.2450, 0.4019**, and the grayscale version is **7.4004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9896, 0.5126, 0.3242**, and **8.6777, 0.6340, 0.3266** is the 20% darker color. If you saturate the color by 10%, you get **18.2498, 0.6057, 0.3111**, and if you desaturate by 10%, it is **19.0978, 0.5763, 0.3026**.

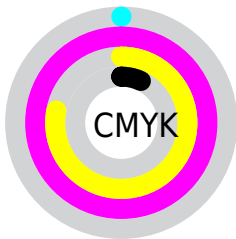
Distribution



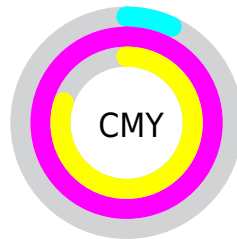
- Red (93%)
- Green (0%)
- Blue (20%)



- Red (93%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2525, 0.6056, 0.3110 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 18.2525, 0.6056, 0.3110 by changing the saturation by 10% instead.


 18.2525, 0.6056,
0.3110


 18.2525, 0.6056,
0.3110


242.2904, 0.4432,
0.3373

 11.1314, 0.6465,
0.2968


 40.4671, 0.5450,
0.3260


 6.1553, 0.6974,
0.2744

 56.3294, 0.5224,
0.3299

 2.9397, 0.7610,
0.2390

 75.8743, 0.5035,
0.3325

 1.1004, 0.8207,
0.1793

 99.4861, 0.4876,
0.3343

 0.0000, 1.0000,
0.0000

 127.5492, 0.4740,
0.3355

 0.0000, 0.0000,
0.0000

 160.4480, 0.4623,

0.3363

198.5670, 0.4522,
0.3369

■ 18.2525, 0.6056,
0.3110

■ 18.2525, 0.6056,
0.3110

■ 18.2498, 0.6057,
0.3111

■ 19.0978, 0.5763,
0.3026

■ 20.8001, 0.5392,
0.2970

■ 23.6113, 0.4985,
0.2952

■ 27.6818, 0.4585,
0.2967

■ 33.1387, 0.4223,
0.3006

■ 40.0930, 0.3911,
0.3059

■ 48.6448, 0.3651,
0.3118

■ 58.8853, 0.3438,
0.3178

■ 70.8989, 0.3266,
0.3236

Harmonies

Analogous

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



18.2525, 0.4992, 0.2344



18.2525, 0.6056, 0.3110



18.2525, 0.5870, 0.3964

Triad

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



18.2525, 0.6056, 0.3110



18.2525, 0.2342, 0.6189



18.2525, 0.1170, 0.1252

Complementary

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



18.2525, 0.6056, 0.3110



64.0740, 0.2450, 0.4019

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.



18.2525, 0.0862, 0.1526



18.2525, 0.6056, 0.3110



18.2525, 0.1333, 0.4243

Square

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



18.2525, 0.6056, 0.3110



18.2525, 0.3611, 0.6170



18.2525, 0.0882, 0.2387



18.2525, 0.1908, 0.1323

Rectangle

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



18.2525, 0.6056, 0.3110



18.2525, 0.5304, 0.4696



18.2525, 0.0882, 0.2387



18.2525, 0.1028, 0.1299

Sweetspot

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



18.2537, 0.6056, 0.3110



57.2512, 0.3655, 0.3117



16.0285, 0.2616, 0.1215



11.2915, 0.3760, 0.3092



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.



18.2537, 0.6056, 0.3110



21.5436, 0.6066, 0.3115



21.5913, 0.6064, 0.3566



15.1080, 0.3258, 0.3239



9.9804, 0.6020, 0.3090



0.7977, 0.5638, 0.2880

Inverse Universe

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



18.2537, 0.6056, 0.3110



21.5436, 0.6066, 0.3115



36.3211, 0.1996, 0.2386



15.1080, 0.3258, 0.3239



9.9804, 0.6020, 0.3090



0.7977, 0.5638, 0.2880

Previews

White Background



This preview shows how the Yxy color 18.2525, 0.6056, 0.3110 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 18.2525, 0.6056, 0.3110 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 18.2525, 0.6056, 0.3110

Background



This preview shows how black text looks on a background with the Yxy color 18.2525, 0.6056, 0.3110.



This preview shows how white text looks on a background with the Yxy color 18.2525, 0.6056, 0.3110.

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

18.2525, 0.6056, 0.3110

Protanopia

18.7433, 0.3754, 0.4059

Deuteranopia

18.7413, 0.4534, 0.4450



Tritanopia

18.4264, 0.6313, 0.3330

Trichromacy



Original Color

18.2525, 0.6056, 0.3110



Protanomaly

14.0336, 0.4843, 0.3395



Deuteranomaly

14.8773, 0.5406, 0.3640



Tritanomaly

18.2171, 0.6266, 0.3268

Monochromacy



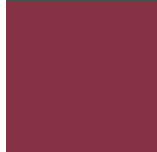
Original Color

18.2525, 0.6056, 0.3110



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.7649, 0.4626, 0.2961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2525, 0.6056, 0.3110 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, 52)` looks like.

```
.text, #text, p{  
  color:rgb(237, 0, 52)  
}
```

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, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 52) }
```

Border

The CSS property to change the border of an element to Yxy 18.2525, 0.6056, 0.3110 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, 52) }
```

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

```
.border{ border-color:rgb(237, 0, 52) }
```

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, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 52);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 52)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.2525, 0.6056, 0.3110 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, 52) }
```

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

```
.background{ background-color: rgb(237, 0,  
52) }
```

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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