

Converting Colors

$Yxy(18.1189, 0.6270, 0.3228)$

Have a look what the booklet for
Yxy(18.1189, 0.6270, 0.3228)
contains.

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Color

Yxy(18.0932, 0.6271, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	ED001D
RGB	237, 0, 29
RGB Percent	93%, 0%, 11%
CMY	0.0706, 1.0000, 0.8859
CMYK	0.00, 1.00, 0.88, 0.07
HSL	353°, 100%, 46%
HSV	353°, 100%, 93%
XYZ	35.1495, 18.0932, 2.8081
YIQ	74.1690, 131.9430, 59.2630

Conversions

Conversions Part 2

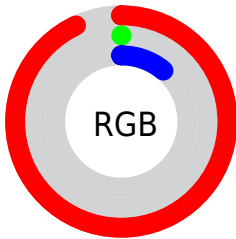
Format	Color
R_{YB}	237, 0, 29
Decimal	15532061
CIE Lab	49.61, 76.09, 54.03
CIE LCh	50, 93.324, 35.375
Yxy	18.0932, 0.6271, 0.3228
Android (android.graphics.Color)	4293722141 (0xFFED001D)
YUV	74.1690, -22.2683, 142.8028
Hunter-Lab	42.5361, 73.0643, 25.8611

Details

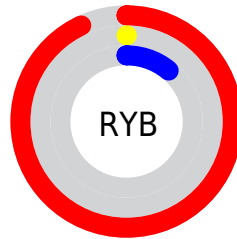
The Yxy color **18.0932, 0.6271, 0.3228** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **65.1218, 0.2357, 0.3684**, and the grayscale version is **6.9044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6105, 0.5391, 0.3436**, and **8.6579, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.0948, 0.6271, 0.3228**, and if you desaturate by 10%, it is **18.8759, 0.6025, 0.3175**.

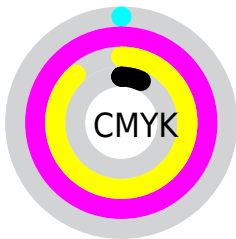
Distribution



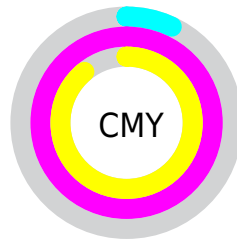
- Red (93%)
- Green (0%)
- Blue (11%)



- Red (93%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (88%)
- Black (7%)




- Cyan (7%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0932, 0.6271, 0.3228 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 18.0932, 0.6271, 0.3228 by changing the saturation by 10% instead.


 18.0932, 0.6271,
0.3228


 18.0932, 0.6271,
0.3228


241.3958, 0.4577,
0.3488


 11.0169, 0.6659,
0.3064


 40.1961, 0.5663,
0.3395


 6.0782, 0.7172,
0.2828

 55.9915, 0.5428,
0.3435


 2.8927, 0.7608,
0.2392

 75.4620, 0.5229,
0.3460

 1.0760, 0.8209,
0.1791

 98.9921, 0.5059,
0.3475


 0.0000, 1.0000,
0.0000


 126.9661, 0.4913,
0.3484


 0.0000, 0.0000,
0.0000


 159.7685, 0.4786,

0.3488


 197.7836, 0.4675,
0.3489


 18.0932, 0.6271,
0.3228


 18.0932, 0.6271,
0.3228


 18.0948, 0.6271,
0.3228

 18.8759, 0.6025,
0.3175

 20.5216, 0.5660,
0.3132

 23.2884, 0.5225,
0.3113

 27.3301, 0.4780,
0.3115

 32.7761, 0.4369,
0.3133

■ 39.7401, 0.4013,
0.3161

■ 48.3240, 0.3718,
0.3194

■ 58.6209, 0.3477,
0.3227

■ 70.7169, 0.3283,
0.3260

Harmonies

Analogous

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



18.0932, 0.5457, 0.2448



18.0932, 0.6271, 0.3228



18.0932, 0.5825, 0.4164

Triad

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



18.0932, 0.6271, 0.3228



18.0932, 0.1996, 0.6121



18.0932, 0.1208, 0.1160

Complementary

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



18.0932, 0.6271, 0.3228



65.1218, 0.2357, 0.3684

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.



18.0932, 0.0819, 0.1343



18.0932, 0.6271, 0.3228



18.0932, 0.1086, 0.3775

Square

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



18.0932, 0.6271, 0.3228



18.0932, 0.3268, 0.6495



18.0932, 0.0760, 0.2048



18.0932, 0.2085, 0.1298

Rectangle

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



18.0932, 0.6271, 0.3228



18.0932, 0.5070, 0.4930



18.0932, 0.0760, 0.2048



18.0932, 0.1035, 0.1181

Sweetspot

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



18.0948, 0.6271, 0.3228



56.9262, 0.3721, 0.3193



19.1516, 0.2869, 0.1354



11.2169, 0.3839, 0.3179



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.



18.0948, 0.6271, 0.3228



21.3605, 0.6277, 0.3231



24.8062, 0.5816, 0.3764



15.0841, 0.3274, 0.3261



9.8886, 0.6245, 0.3214



0.7863, 0.5945, 0.3048

Inverse Universe

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



18.0948, 0.6271, 0.3228



21.3605, 0.6277, 0.3231



27.9607, 0.1895, 0.2022



15.0841, 0.3274, 0.3261



9.8886, 0.6245, 0.3214



0.7863, 0.5945, 0.3048

Previews

White Background



This preview shows how the Yxy color 18.0932, 0.6271, 0.3228 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 18.0932, 0.6271, 0.3228 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 18.0932, 0.6271, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 18.0932, 0.6271, 0.3228.



This preview shows how white text looks on a background with the Yxy color 18.0932, 0.6271, 0.3228.

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

18.0932, 0.6271, 0.3228

Protanopia

18.6498, 0.4104, 0.4512

Deuteranopia

18.6139, 0.4695, 0.4654



Tritanopia

18.4067, 0.6342, 0.3347

Trichromacy



Original Color

18.0932, 0.6271, 0.3228

Protanomaly

13.9940, 0.5260, 0.3718

Deuteranomaly

14.7343, 0.5648, 0.3829

Tritanomaly

18.1711, 0.6332, 0.3306

Monochromacy



Original Color

18.0932, 0.6271, 0.3228

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.3251, 0.4855, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0932, 0.6271, 0.3228 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, 29)` looks like.

```
.text, #text, p{  
  color:rgb(237, 0, 29)  
}
```

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, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 29) }
```

Border

The CSS property to change the border of an element to Yxy 18.0932, 0.6271, 0.3228 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, 29) }
```

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

```
.border{ border-color:rgb(237, 0, 29) }
```

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, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 29);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 29)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.0932, 0.6271, 0.3228 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, 29) }
```

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

```
.background{ background-color: rgb(237, 0,  
29) }
```

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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