

Converting Colors

$Yxy(18.0558, 0.6363, 0.3279)$

Have a look what the booklet for
Yxy(18.0558, 0.6363, 0.3279)
contains.

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Color

Yxy(18.0311, 0.6361, 0.3278)

Conversions

Conversions Part 1

Format	Color
Hex	ED000C
RGB	237, 0, 12
RGB Percent	93%, 0%, 5%
CMY	0.0706, 0.9995, 0.9527
CMYK	0.00, 1.00, 0.95, 0.07
HSL	357°, 100%, 46%
HSV	357°, 100%, 93%
XYZ	34.9896, 18.0311, 1.9857
YIQ	72.2310, 137.4000, 53.9760

Conversions

Conversions Part 2

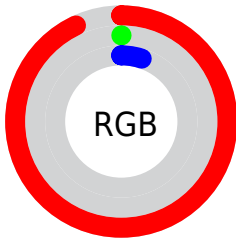
Format	Color
RYB	237, 0, 12
Decimal	15532044
CIELab	49.53, 75.87, 60.35
CIElCh	50, 96.945, 38.497
Yxy	18.0311, 0.6361, 0.3278
Android (android.graphics.Color)	4293722124 (0xFFED000C)
YUV	72.2310, -29.6939, 144.5024
Hunter-Lab	42.4630, 72.7738, 26.9515

Details

The Yxy color **18.0311, 0.6361, 0.3278** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **66.0032, 0.2290, 0.3445**, and the grayscale version is **6.5704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4589, 0.5509, 0.3522**, and **8.5460, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.0293, 0.6362, 0.3278**, and if you desaturate by 10%, it is **18.7676, 0.6169, 0.3257**.

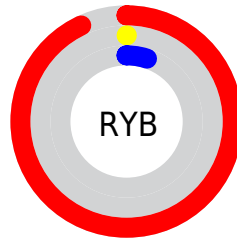
Distribution



Red (93%)

Green (0%)

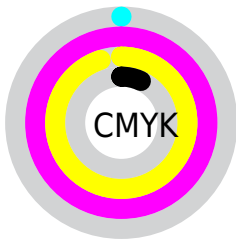
Blue (5%)



Red (93%)

Yellow (0%)

Blue (5%)

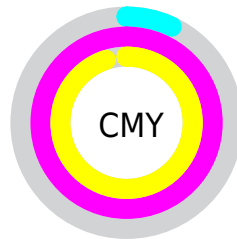


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (7%)



Cyan (7%)


Magenta (100%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0311, 0.6361, 0.3278 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 18.0311, 0.6361, 0.3278 by changing the saturation by 10% instead.


 18.0311, 0.6361,
0.3278


 18.0311, 0.6361,
0.3278


241.0463, 0.4653,
0.3549


 10.9723, 0.6741,
0.3105


 40.0903, 0.5764,
0.3459


 6.0482, 0.7170,
0.2830

 55.8595, 0.5528,
0.3502

 2.8744, 0.7607,
0.2393

 75.3010, 0.5326,
0.3527

 1.0665, 0.8209,
0.1791

 98.7992, 0.5152,
0.3542

 0.0000, 1.0000,
0.0000


 126.7384, 0.5001,
0.3549


 0.0000, 0.0000,
0.0000


 159.5030, 0.4870,


0.3552


 197.4775, 0.4754,
0.3551


 18.0311, 0.6361,
0.3278


 18.0311, 0.6361,
0.3278


 18.0293, 0.6362,
0.3278

 18.7676, 0.6169,
0.3257

 20.3739, 0.5830,
0.3236

 23.1104, 0.5389,
0.3225

 27.1337, 0.4919,
0.3223

 32.5760, 0.4475,
0.3229

■ 39.5529, 0.4088,
0.3239

■ 48.1683, 0.3765,
0.3252

■ 58.5169, 0.3504,
0.3265

■ 70.6863, 0.3294,
0.3278

Harmonies

Analogous

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



18.0311, 0.5697, 0.2494



18.0311, 0.6361, 0.3278



18.0311, 0.5756, 0.4244

Triad

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



18.0311, 0.6361, 0.3278



18.0311, 0.1816, 0.6059



18.0311, 0.1228, 0.1113

Complementary

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



18.0311, 0.6361, 0.3278



66.0032, 0.2290, 0.3445

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.



18.0311, 0.0797, 0.1255



18.0311, 0.6361, 0.3278



18.0311, 0.0968, 0.3532

Square

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



18.0311, 0.6361, 0.3278



18.0311, 0.3083, 0.6671



18.0311, 0.0701, 0.1886



18.0311, 0.2183, 0.1285

Rectangle

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



18.0311, 0.6361, 0.3278



18.0311, 0.4940, 0.5060



18.0311, 0.0701, 0.1886



18.0311, 0.1039, 0.1123

Sweetspot

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



18.0323, 0.6361, 0.3278



56.6922, 0.3770, 0.3251



21.5200, 0.3040, 0.1448



11.1637, 0.3899, 0.3246



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.



18.0323, 0.6361, 0.3278



21.2887, 0.6365, 0.3280



27.6572, 0.5626, 0.3914



15.0663, 0.3285, 0.3279



9.8498, 0.6347, 0.3270



0.7778, 0.6203, 0.3191

Inverse Universe

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



18.0323, 0.6361, 0.3278



21.2887, 0.6365, 0.3280



23.2613, 0.1829, 0.1783



15.0663, 0.3285, 0.3279



9.8498, 0.6347, 0.3270



0.7778, 0.6203, 0.3191

Previews

White Background



This preview shows how the Yxy color 18.0311, 0.6361, 0.3278 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 18.0311, 0.6361, 0.3278 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 18.0311, 0.6361, 0.3278

Background



This preview shows how black text looks on a background with the Yxy color 18.0311, 0.6361, 0.3278.



This preview shows how white text looks on a background with the Yxy color 18.0311, 0.6361, 0.3278.

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

18.0311, 0.6361, 0.3278

Protanopia

18.6168, 0.4244, 0.4693

Deuteranopia

18.6139, 0.4695, 0.4654

Trichromacy



Original Color

18.0311, 0.6361, 0.3278

Protanomaly

13.9014, 0.5420, 0.3851

Deuteranomaly

14.7189, 0.5676, 0.3850

Monochromacy



Original Color

18.0311, 0.6361, 0.3278

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.0898, 0.5040, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0311, 0.6361, 0.3278 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, 12)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 12)  
}
```

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, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 12) }
```

Border

The CSS property to change the border of an element to Yxy 18.0311, 0.6361, 0.3278 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, 12) }
```

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

```
.border{ border-color:rgb(237, 0, 12) }
```

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, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 12);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 12)  
}
```

Background

The CSS property to change the background color of an element to Yxy 18.0311, 0.6361, 0.3278 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, 12) }
```

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

```
.background{ background-color: rgb(237, 0,  
12) }
```

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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