

Converting Colors

$Yxy(18.2108, 0.6318, 0.3254)$

Have a look what the booklet for
Yxy(18.2108, 0.6318, 0.3254)
contains.

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Color

Yxy(18.2351, 0.6316, 0.3253)

Conversions

Conversions Part 1

Format	Color
Hex	EE0016
RGB	238, 0, 22
RGB Percent	93%, 0%, 9%
CMY	0.0667, 0.9998, 0.9135
CMYK	0.00, 1.00, 0.91, 0.07
HSL	354°, 100%, 47%
HSV	354°, 100%, 93%
XYZ	35.4051, 18.2351, 2.4160
YIQ	73.6700, 134.7860, 57.2980

Conversions

Conversions Part 2

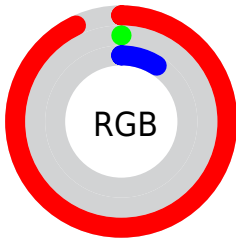
Format	Color
RYB	238, 0, 22
Decimal	15597590
CIELab	49.78, 76.23, 57.21
CIElCh	50, 95.308, 36.891
Yxy	18.2351, 0.6316, 0.3253
Android (android.graphics.Color)	4293787670 (0xFFEE0016)
YUV	73.6700, -25.4733, 144.1174
Hunter-Lab	42.7026, 73.2666, 26.5373

Details

The Yxy color **18.2351, 0.6316, 0.3253** 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 **66.1059, 0.2329, 0.3582**, and the grayscale version is **6.8215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5436, 0.5442, 0.3473**, and **8.7707, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.2349, 0.6316, 0.3253**, and if you desaturate by 10%, it is **19.0035, 0.6091, 0.3213**.

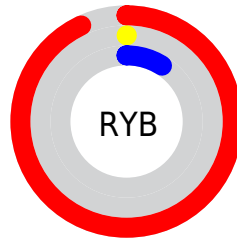
Distribution



Red (93%)

Green (0%)

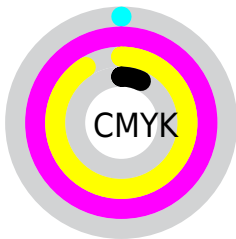
Blue (9%)



Red (93%)

Yellow (0%)

Blue (9%)

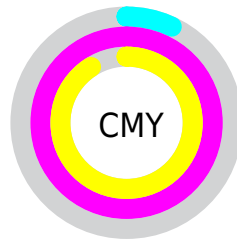


Cyan (0%)

Magenta (100%)

Yellow (91%)

Black (7%)



Cyan (7%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2351, 0.6316, 0.3253 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 18.2351, 0.6316, 0.3253 by changing the saturation by 10% instead.


 18.2351, 0.6316,
0.3253


 18.2351, 0.6316,
0.3253


242.1929, 0.4616,
0.3517


 11.1189, 0.6696,
0.3084


 40.4375, 0.5714,
0.3426


 6.1469, 0.7169,
0.2831

 56.2925, 0.5479,
0.3467

 2.9346, 0.7603,
0.2397

 75.8293, 0.5278,
0.3493

 1.0977, 0.8200,
0.1800

 99.4322, 0.5106,
0.3507


 0.0000, 1.0000,
0.0000


 127.4856, 0.4958,
0.3515


 0.0000, 0.0000,
0.0000


 160.3739, 0.4829,


0.3519

 198.4815, 0.4716,
0.3519

 18.2351, 0.6316,
0.3253

 18.2351, 0.6316,
0.3253


 18.2349, 0.6316,
0.3253

 19.0035, 0.6091,
0.3213

 20.6473, 0.5735,
0.3178

 23.4271, 0.5296,
0.3161

 27.4996, 0.4839,
0.3161

 32.9965, 0.4414,
0.3173

■ 40.0335, 0.4045,
0.3194

■ 48.7143, 0.3738,
0.3218

■ 59.1337, 0.3488,
0.3243

■ 71.3792, 0.3288,
0.3267

Harmonies

Analogous

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



18.2351, 0.5573, 0.2471



18.2351, 0.6316, 0.3253



18.2351, 0.5796, 0.4204

Triad

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



18.2351, 0.6316, 0.3253



18.2351, 0.1909, 0.6093



18.2351, 0.1217, 0.1138

Complementary

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



18.2351, 0.6316, 0.3253



66.1059, 0.2329, 0.3582

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.



18.2351, 0.0809, 0.1300



18.2351, 0.6316, 0.3253



18.2351, 0.1028, 0.3658

Square

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



18.2351, 0.6316, 0.3253



18.2351, 0.3180, 0.6578



18.2351, 0.0731, 0.1969



18.2351, 0.2131, 0.1292

Rectangle

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



18.2351, 0.6316, 0.3253



18.2351, 0.5009, 0.4991



18.2351, 0.0731, 0.1969



18.2351, 0.1037, 0.1153

Sweetspot

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



18.2363, 0.6316, 0.3253



56.8273, 0.3741, 0.3218



20.5010, 0.2955, 0.1401



11.1944, 0.3864, 0.3207



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.



18.2363, 0.6316, 0.3253



21.3243, 0.6321, 0.3256



26.4033, 0.5723, 0.3838



15.7826, 0.3279, 0.3268



10.1814, 0.6296, 0.3242



0.8550, 0.6063, 0.3113

Inverse Universe

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



18.2363, 0.6316, 0.3253



21.3243, 0.6321, 0.3256



25.7645, 0.1862, 0.1901



15.7826, 0.3279, 0.3268



10.1814, 0.6296, 0.3242



0.8550, 0.6063, 0.3113

Previews

White Background



This preview shows how the Yxy color 18.2351, 0.6316, 0.3253 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



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 18.2351, 0.6316, 0.3253

Background



This preview shows how black text looks on a background with the Yxy color 18.2351, 0.6316, 0.3253.



This preview shows how white text looks on a background with the Yxy color 18.2351, 0.6316, 0.3253.

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

18.2351, 0.6316, 0.3253

Protanopia

18.6757, 0.4178, 0.4594

Deuteranopia

18.7100, 0.4708, 0.4644

Trichromacy



Original Color

18.2351, 0.6316, 0.3253

Protanomaly

14.0609, 0.5347, 0.3778

Deuteranomaly

14.8499, 0.5667, 0.3833

Monochromacy



Original Color

18.2351, 0.6316, 0.3253

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.3772, 0.4942, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2351, 0.6316, 0.3253 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(238, 0, 22)` looks like.

```
.text, #text, p{  
    color:rgb(238, 0, 22)  
}
```

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(238, 0, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 0, 22) }
```

Border

The CSS property to change the border of an element to Yxy 18.2351, 0.6316, 0.3253 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(238, 0, 22) }
```

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

```
.border{ border-color:rgb(238, 0, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 0, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 0, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 0, 22);  
box-shadow:4px 4px 4px 4px rgb(238, 0, 22)  
}
```

Background

The CSS property to change the background color of an element to Yxy 18.2351, 0.6316, 0.3253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 0, 22) }
```

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

```
.background{ background-color: rgb(238, 0,  
22) }
```

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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