

Converting Colors

$Yxy(18.5353, 0.6311, 0.3250)$

Have a look what the booklet for
Yxy(18.5353, 0.6311, 0.3250)
contains.

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Color

Yxy(18.5871, 0.6312, 0.3251)

Conversions

Conversions Part 1

Format	Color
Hex	F00017
RGB	240, 0, 23
RGB Percent	94%, 0%, 9%
CMY	0.0589, 0.9995, 0.9096
CMYK	0.00, 1.00, 0.90, 0.06
HSL	354°, 100%, 47%
HSV	354°, 100%, 94%
XYZ	36.0879, 18.5871, 2.4985
YIQ	74.3820, 135.6570, 58.0330

Conversions

Conversions Part 2

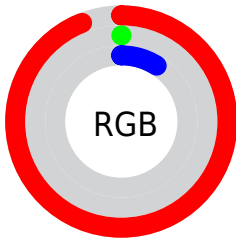
Format	Color
RYB	240, 0, 23
Decimal	15728663
CIELab	50.20, 76.71, 57.31
CIElCh	50, 95.752, 36.761
Yxy	18.5871, 0.6312, 0.3251
Android (android.graphics.Color)	4293918743 (0xFFFF0017)
YUV	74.3820, -25.3313, 145.2470
Hunter-Lab	43.1128, 73.9676, 26.7429

Details

The Yxy color **18.5871, 0.6312, 0.3251** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark saturated red. A complement of this color would be **67.3287, 0.2331, 0.3593**, and the grayscale version is **6.9614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5566, 0.5432, 0.3466**, and **8.8842, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.5851, 0.6313, 0.3251**, and if you desaturate by 10%, it is **19.3695, 0.6085, 0.3209**.

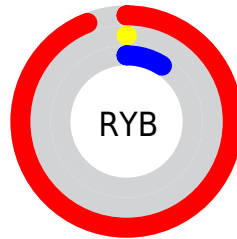
Distribution



Red (94%)

Green (0%)

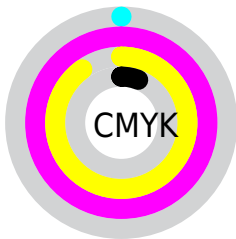
Blue (9%)



Red (94%)

Yellow (0%)

Blue (9%)

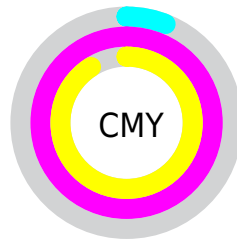


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (6%)



Cyan (6%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5871, 0.6312, 0.3251 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 18.5871, 0.6312, 0.3251 by changing the saturation by 10% instead.


 18.5871, 0.6312,
0.3251


 18.5871, 0.6312,
0.3251


244.1597, 0.4618,
0.3515

 11.3723, 0.6689,
0.3083


 41.0352, 0.5713,
0.3423


 6.3178, 0.7164,
0.2836


 57.0373, 0.5479,
0.3464


 3.0393, 0.7593,
0.2407

 76.7374, 0.5279,
0.3489

 1.1523, 0.8182,
0.1818

 100.5197, 0.5107,
0.3504

 0.0222, 0.9908,
0.0092

 128.7687, 0.4959,
0.3512

 0.0000, 1.0000,
0.0000


 161.8687, 0.4830,


 0.0000, 0.0000,


0.3516


0.0000


 200.2043, 0.4717,
0.3516

 18.5871, 0.6312,
0.3251

 18.5871, 0.6312,
0.3251

 18.5851, 0.6313,
0.3251

 19.3695, 0.6085,
0.3209

 21.0463, 0.5728,
0.3173

 23.8814, 0.5289,
0.3156

 28.0343, 0.4833,
0.3156

 33.6397, 0.4409,
0.3169

■ 40.8154, 0.4041,
0.3191

■ 49.6671, 0.3735,
0.3216

■ 60.2914, 0.3487,
0.3241

■ 72.7777, 0.3287,
0.3267

Harmonies

Analogous

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



18.5871, 0.5562, 0.2469



18.5871, 0.6312, 0.3251



18.5871, 0.5799, 0.4201

Triad

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



18.5871, 0.6312, 0.3251



18.5871, 0.1917, 0.6096



18.5871, 0.1217, 0.1140

Complementary

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



18.5871, 0.6312, 0.3251



67.3287, 0.2331, 0.3593

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.



18.5871, 0.0810, 0.1304



18.5871, 0.6312, 0.3251



18.5871, 0.1034, 0.3668

Square

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



18.5871, 0.6312, 0.3251



18.5871, 0.3187, 0.6570



18.5871, 0.0734, 0.1976



18.5871, 0.2127, 0.1293

Rectangle

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



18.5871, 0.6312, 0.3251



18.5871, 0.5014, 0.4986



18.5871, 0.0734, 0.1976



18.5871, 0.1037, 0.1156

Sweetspot

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



18.5883, 0.6312, 0.3251



56.8372, 0.3739, 0.3215



20.8929, 0.2955, 0.1401



11.1966, 0.3862, 0.3204



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.



18.5883, 0.6312, 0.3251



21.3275, 0.6317, 0.3253



26.9026, 0.5723, 0.3837



15.7834, 0.3278, 0.3268



10.1832, 0.6291, 0.3239



0.8554, 0.6052, 0.3108

Inverse Universe

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



18.5883, 0.6312, 0.3251



21.3275, 0.6317, 0.3253



26.2514, 0.1862, 0.1901



15.7834, 0.3278, 0.3268



10.1832, 0.6291, 0.3239



0.8554, 0.6052, 0.3108

Previews

White Background



This preview shows how the Yxy color 18.5871, 0.6312, 0.3251 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.5871, 0.6312, 0.3251 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 18.5871, 0.6312, 0.3251

Background



This preview shows how black text looks on a background with the Yxy color 18.5871, 0.6312, 0.3251.



This preview shows how white text looks on a background with the Yxy color 18.5871, 0.6312, 0.3251.

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

18.5871, 0.6312, 0.3251

Protanopia

19.0075, 0.4172, 0.4588

Deuteranopia

19.0338, 0.4704, 0.4647



Tritanopia

18.7510, 0.6343, 0.3346

Trichromacy



Original Color

18.5871, 0.6312, 0.3251



Protanomaly

14.3194, 0.5332, 0.3779



Deuteranomaly

15.0969, 0.5681, 0.3823



Tritanomaly

18.6823, 0.6344, 0.3311

Monochromacy



Original Color

18.5871, 0.6312, 0.3251



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 18.5871, 0.6312, 0.3251 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(240, 0, 23)` looks like.

```
.text, #text, p{  
  color:rgb(240, 0, 23)  
}
```

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(240, 0, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 23) }
```

Border

The CSS property to change the border of an element to Yxy 18.5871, 0.6312, 0.3251 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(240, 0, 23) }
```

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

```
.border{ border-color:rgb(240, 0, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 0, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 23);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 23)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.5871, 0.6312, 0.3251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 23) }
```

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

```
.background{ background-color: rgb(240, 0,  
23) }
```

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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