

Converting Colors

$Yxy(18.4847, 0.6385, 0.3291)$

Have a look what the booklet for
Yxy(18.4847, 0.6385, 0.3291)
contains.

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Color

Yxy(18.5362, 0.6385, 0.3291)

Conversions

Conversions Part 1

Format	Color
Hex	F00005
RGB	240, 0, 5
RGB Percent	94%, 0%, 2%
CMY	0.0588, 0.9998, 0.9805
CMYK	0.00, 1.00, 0.98, 0.06
HSL	359°, 100%, 47%
HSV	359°, 100%, 94%
XYZ	35.9628, 18.5362, 1.8249
YIQ	72.3300, 141.4350, 52.4350

Conversions

Conversions Part 2

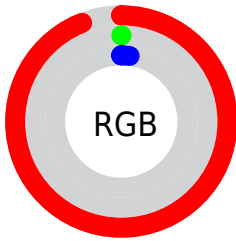
Format	Color
R_{YB}	240, 0, 5
Decimal	15728645
CIE _{Lab}	50.14, 76.55, 62.85
CIE _{LCh}	50, 99.049, 39.387
Yxy	18.5362, 0.6385, 0.3291
Android (android.graphics.Color)	4293918725 (0xFFFF0005)
YUV	72.3300, -33.1937, 147.0466
Hunter-Lab	43.0537, 73.7574, 27.6245

Details

The Yxy color **18.5362, 0.6385, 0.3291** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **68.3243, 0.2264, 0.3351**, and the grayscale version is **6.5851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4149, 0.5544, 0.3548**, and **8.8842, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.5362, 0.6385, 0.3291**, and if you desaturate by 10%, it is **19.2669, 0.6218, 0.3284**.

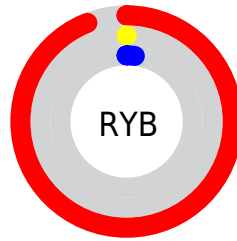
Distribution



Red (94%)

Green (0%)

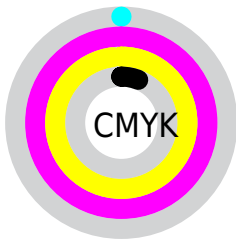
Blue (2%)



Red (94%)

Yellow (0%)

Blue (2%)

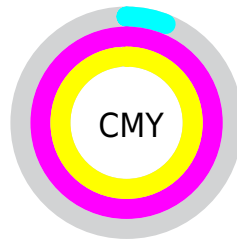


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (6%)



Cyan (6%)


Magenta (100%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5362, 0.6385, 0.3291 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 18.5362, 0.6385, 0.3291 by changing the saturation by 10% instead.


 18.5362, 0.6385,
0.3291


 18.5362, 0.6385,
0.3291


 243.8762, 0.4684,
0.3567


 11.3356, 0.6760,
0.3118


 40.9489, 0.5798,
0.3476

 6.2931, 0.7163,
0.2837


 56.9298, 0.5563,
0.3520


 3.0241, 0.7592,
0.2408

 76.6063, 0.5361,
0.3546

 1.1443, 0.8183,
0.1817

 100.3628, 0.5187,
0.3561

 0.0155, 0.9935,
0.0065

 128.5836, 0.5035,
0.3568


 0.0000, 1.0000,
0.0000


 161.6532, 0.4903,


 0.0000, 0.0000,

0.3571

0.0000

 199.9559, 0.4787,
0.3570


 18.5362, 0.6385,
0.3291

 19.2669, 0.6218,
0.3284

 20.8913, 0.5895,
0.3274

 23.6816, 0.5457,
0.3268

 27.8014, 0.4979,
0.3266

 33.3886, 0.4522,
0.3268

■ 40.5635, 0.4121,
0.3271

■ 49.4342, 0.3787,
0.3276

■ 60.0993, 0.3517,
0.3280

■ 72.6499, 0.3300,
0.3285

Harmonies

Analogous

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



18.5362, 0.5768, 0.2506



18.5362, 0.6385, 0.3291



18.5362, 0.5733, 0.4267

Triad

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



18.5362, 0.6385, 0.3291



18.5362, 0.1763, 0.6037



18.5362, 0.1233, 0.1100

Complementary

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



18.5362, 0.6385, 0.3291



68.3243, 0.2264, 0.3351

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.



18.5362, 0.0790, 0.1230



18.5362, 0.6385, 0.3291



18.5362, 0.0934, 0.3460

Square

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



18.5362, 0.6385, 0.3291



18.5362, 0.3027, 0.6722



18.5362, 0.0684, 0.1840



18.5362, 0.2212, 0.1280

Rectangle

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



18.5362, 0.6385, 0.3291



18.5362, 0.4901, 0.5099



18.5362, 0.0684, 0.1840



18.5362, 0.1039, 0.1106

Sweetspot

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



18.5374, 0.6385, 0.3291



56.5981, 0.3791, 0.3276



23.4487, 0.3125, 0.1495



11.1424, 0.3924, 0.3274



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.



18.5374, 0.6385, 0.3291



21.2714, 0.6386, 0.3292



30.1200, 0.5530, 0.3991



15.7641, 0.3290, 0.3286



10.1493, 0.6379, 0.3288



0.8462, 0.6322, 0.3256

Inverse Universe

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



18.5374, 0.6385, 0.3291



21.2714, 0.6386, 0.3292



21.7364, 0.1796, 0.1665



15.7641, 0.3290, 0.3286



10.1493, 0.6379, 0.3288



0.8462, 0.6322, 0.3256

Previews

White Background



This preview shows how the Yxy color 18.5362, 0.6385, 0.3291 looks on a white background.

Color Contrast Check

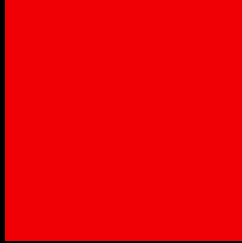
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5362, 0.6385, 0.3291 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 18.5362, 0.6385, 0.3291

Background



This preview shows how black text looks on a background with the Yxy color 18.5362, 0.6385, 0.3291.



This preview shows how white text looks on a background with the Yxy color 18.5362, 0.6385, 0.3291.

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

18.5362, 0.6385, 0.3291

Protanopia

19.0133, 0.4271, 0.4707

Deuteranopia

19.0338, 0.4704, 0.4647



Tritanopia

18.7510, 0.6343, 0.3346

Trichromacy



Original Color

18.5362, 0.6385, 0.3291



Protanomaly

14.3644, 0.5462, 0.3874



Deuteranomaly

15.0838, 0.5704, 0.3841



Tritanomaly

18.6692, 0.6363, 0.3321

Monochromacy



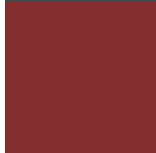
Original Color

18.5362, 0.6385, 0.3291



Achromatopsia

6.4803, 0.3127, 0.3290



Achromatomaly

7.1539, 0.5101, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5362, 0.6385, 0.3291 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, 5)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 5)  
}
```

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, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 5) }
```

Border

The CSS property to change the border of an element to Yxy 18.5362, 0.6385, 0.3291 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, 5) }
```

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

```
.border{ border-color:rgb(240, 0, 5) }
```

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, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(240, 0, 5); box-shadow:4px  
4px 4px 4px rgb(240, 0, 5) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5362, 0.6385, 0.3291 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, 5) }
```

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

```
.background{ background-color: rgb(240, 0,  
5) }
```

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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