

Converting Colors

$Yxy(18.5672, 0.6391, 0.3307)$

Have a look what the booklet for
Yxy(18.5672, 0.6391, 0.3307)
contains.

Yxy(18.6121, 0.6392, 0.3307)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.6121, 0.6392, 0.3307)

Conversions

Conversions Part 1

Format	Color
Hex	F00400
RGB	240, 4, 0
RGB Percent	94%, 2%, 0%
CMY	0.0589, 0.9836, 1.0000
CMYK	0.00, 0.98, 1.00, 0.06
HSL	1°, 100%, 47%
HSV	1°, 100%, 94%
XYZ	35.9748, 18.6121, 1.6941
YIQ	74.1080, 141.9400, 48.7880

Conversions

Conversions Part 2

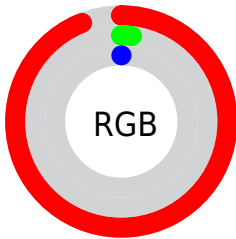
Format	Color
RYB	240, 4, 0
Decimal	15729664
CIELab	50.23, 76.20, 64.26
CIElCh	50, 99.682, 40.140
Yxy	18.6121, 0.6392, 0.3307
Android (android.graphics.Color)	4293919744 (0xFFFF00400)
YUV	74.1080, -36.5352, 145.4873
Hunter-Lab	43.1417, 73.3484, 27.8711

Details

The Yxy color **18.6121, 0.6392, 0.3307** 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 **66.1682, 0.2232, 0.3234**, and the grayscale version is **6.9346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5608, 0.5560, 0.3575**, and **8.8842, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.6135, 0.6392, 0.3307**, and if you desaturate by 10%, it is **19.4079, 0.6230, 0.3312**.

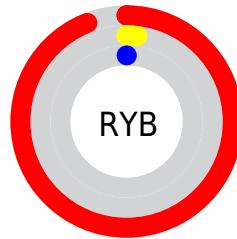
Distribution



Red (94%)

Green (2%)

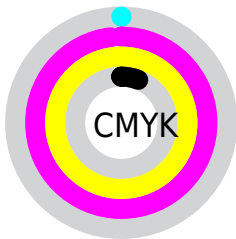
Blue (0%)



Red (94%)

Yellow (2%)

Blue (0%)

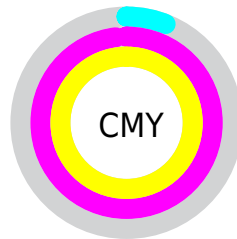


Cyan (0%)

Magenta (98%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (98%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6121, 0.6392, 0.3307 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 18.6121, 0.6392, 0.3307 by changing the saturation by 10% instead.


 18.6121, 0.6392,
0.3307


 18.6121, 0.6392,
0.3307


 244.2989, 0.4696,
0.3582


 11.3903, 0.6767,
0.3135


 41.0776, 0.5810,
0.3494

 6.3300, 0.7152,
0.2848


 57.0901, 0.5577,
0.3537


 3.0468, 0.7579,
0.2421

 76.8017, 0.5375,
0.3564

 1.1562, 0.8168,
0.1832

 100.5967, 0.5201,
0.3578

 0.0255, 0.9894,
0.0106

 128.8595, 0.5049,
0.3585


 0.0000, 1.0000,
0.0000


 161.9745, 0.4916,


 0.0000, 0.0000,


0.3587


0.0000


 200.3262, 0.4799,
0.3586

 18.6121, 0.6392,
0.3307


 18.6121, 0.6392,
0.3307


 18.6135, 0.6392,
0.3307

 19.4079, 0.6230,
0.3312

 21.1338, 0.5914,
0.3318

 24.0122, 0.5479,
0.3321

 28.1970, 0.4999,
0.3320

 33.8182, 0.4540,
0.3317

■ 40.9904, 0.4136,
0.3312

■ 49.8164, 0.3798,
0.3306

■ 60.3904, 0.3523,
0.3300

■ 72.7994, 0.3303,
0.3295

Harmonies

Analogous

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



18.6121, 0.5814, 0.2521



18.6121, 0.6392, 0.3307



18.6121, 0.5709, 0.4291

Triad

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



18.6121, 0.6392, 0.3307



18.6121, 0.1727, 0.5999



18.6121, 0.1244, 0.1095

Complementary

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



18.6121, 0.6392, 0.3307



66.1682, 0.2232, 0.3234

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.



18.6121, 0.0791, 0.1216



18.6121, 0.6392, 0.3307



18.6121, 0.0914, 0.3401

Square

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



18.6121, 0.6392, 0.3307



18.6121, 0.2986, 0.6751



18.6121, 0.0677, 0.1808



18.6121, 0.2242, 0.1283

Rectangle

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



18.6121, 0.6392, 0.3307



18.6121, 0.4867, 0.5133



18.6121, 0.0677, 0.1808



18.6121, 0.1046, 0.1098

Sweetspot

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



18.6135, 0.6392, 0.3307



57.0696, 0.3801, 0.3306



24.5780, 0.3252, 0.1565



11.2487, 0.3936, 0.3308



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.



18.6135, 0.6392, 0.3307



21.3565, 0.6392, 0.3306



32.9361, 0.5382, 0.4109



15.8029, 0.3293, 0.3295



10.2105, 0.6388, 0.3310



0.8649, 0.6354, 0.3337

Inverse Universe

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



66.1682, 0.2232, 0.3234



75.9376, 0.2232, 0.3233



18.7795, 0.1749, 0.1495



17.8789, 0.2981, 0.3285



36.2485, 0.2232, 0.3235



3.0305, 0.2234, 0.3242

Previews

White Background



This preview shows how the Yxy color 18.6121, 0.6392, 0.3307 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 18.6121, 0.6392, 0.3307 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 18.6121, 0.6392, 0.3307

Background



This preview shows how black text looks on a background with the Yxy color 18.6121, 0.6392, 0.3307.



This preview shows how white text looks on a background with the Yxy color 18.6121, 0.6392, 0.3307.

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

18.6121, 0.6392, 0.3307

Protanopia

19.0079, 0.4277, 0.4716

Deuteranopia

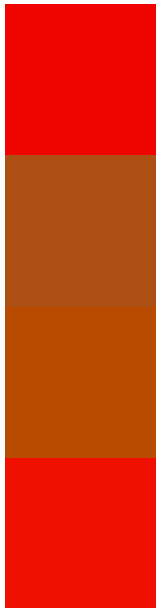
19.0338, 0.4704, 0.4647



Tritanopia

18.7510, 0.6343, 0.3346

Trichromacy



Original Color

18.6121, 0.6392, 0.3307

Protanomaly

14.6411, 0.5444, 0.3911

Deuteranomaly

15.3464, 0.5681, 0.3871

Tritanomaly

18.7213, 0.6363, 0.3329

Monochromacy



Original Color

18.6121, 0.6392, 0.3307

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.4702, 0.5099, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6121, 0.6392, 0.3307 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, 4, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 4, 0)  
}
```

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, 4, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 18.6121, 0.6392, 0.3307 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, 4, 0) }
```

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

```
.border{ border-color:rgb(240, 4, 0) }
```

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

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

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


Background

The CSS property to change the background color of an element to Yxy 18.6121, 0.6392, 0.3307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 4, 0) }
```

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

```
.background{ background-color: rgb(240, 4,  
0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor