

Converting Colors

$Y_{xy}(18.5105, 0.6397, 0.3303)$

Have a look what the booklet for
Yxy(18.5105, 0.6397, 0.3303)
contains.

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Color

Yxy(18.5687, 0.6396, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	F00200
RGB	240, 2, 0
RGB Percent	94%, 1%, 0%
CMY	0.0588, 0.9919, 0.9996
CMYK	0.00, 0.99, 1.00, 0.06
HSL	0°, 100%, 47%
HSV	0°, 100%, 94%
XYZ	35.9568, 18.5687, 1.6922
YIQ	72.9340, 142.4900, 49.8340

Conversions

Conversions Part 2

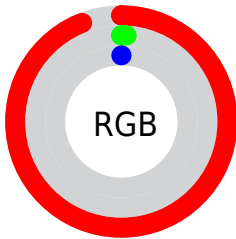
Format	Color
RYB	240, 2, 0
Decimal	15729152
CIELab	50.18, 76.37, 64.19
CIElCh	50, 99.761, 40.050
Yxy	18.5687, 0.6396, 0.3303
Android (android.graphics.Color)	4293919232 (0xFFFF00200)
YUV	72.9340, -35.9565, 146.5169
Hunter-Lab	43.0914, 73.5360, 27.8357

Details

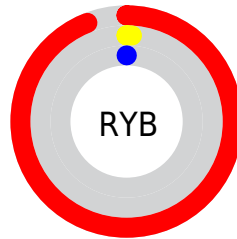
The Yxy color **18.5687, 0.6396, 0.3303** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **67.4635, 0.2240, 0.3262**, and the grayscale version is **6.7054, 0.3127, 0.3290**.

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 **18.5673, 0.6396, 0.3303**, and if you desaturate by 10%, it is **19.3243, 0.6237, 0.3305**.

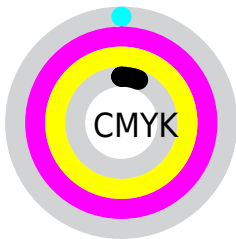
Distribution



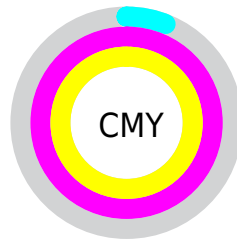
- Red (94%)
- Green (1%)
- Blue (0%)



- Red (94%)
- Yellow (1%)
- Blue (0%)



- Cyan (0%)
- Magenta (99%)
- Yellow (100%)
- Black (6%)



- Cyan (6%)
- Magenta (99%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5687, 0.6396, 0.3303 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 18.5687, 0.6396, 0.3303 by changing the saturation by 10% instead.


 18.5687, 0.6396,
0.3303


 18.5687, 0.6396,
0.3303


 244.0573, 0.4697,
0.3580

 11.3590, 0.6772,
0.3130


 41.0040, 0.5813,
0.3490

 6.3089, 0.7157,
0.2843


 56.9985, 0.5579,
0.3535


 3.0338, 0.7586,
0.2414

 76.6900, 0.5377,
0.3561

 1.1494, 0.8175,
0.1825

 100.4630, 0.5203,
0.3576

 0.0198, 0.9917,
0.0083

 128.7018, 0.5051,
0.3583


 0.0000, 1.0000,
0.0000


 161.7909, 0.4918,

 0.0000, 0.0000,


0.3585

0.0000

 200.1146, 0.4801,
0.3584


 18.5687, 0.6396,
0.3303


 18.5687, 0.6396,
0.3303

 18.5673, 0.6396,
0.3303

 19.3243, 0.6237,
0.3305

 20.9927, 0.5924,
0.3308

 23.8226, 0.5488,
0.3308

 27.9734, 0.5007,
0.3307

 33.5798, 0.4545,
0.3305

■ 40.7596, 0.4138,
0.3302

■ 49.6190, 0.3799,
0.3299

■ 60.2546, 0.3523,
0.3295

■ 72.7558, 0.3303,
0.3293

Harmonies

Analogous

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



18.5687, 0.5814, 0.2518



18.5687, 0.6396, 0.3303



18.5687, 0.5714, 0.4286

Triad

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



18.5687, 0.6396, 0.3303



18.5687, 0.1728, 0.6011



18.5687, 0.1241, 0.1093

Complementary

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



18.5687, 0.6396, 0.3303



67.4635, 0.2240, 0.3262

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.



18.5687, 0.0789, 0.1215



18.5687, 0.6396, 0.3303



18.5687, 0.0913, 0.3407

Square

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



18.5687, 0.6396, 0.3303



18.5687, 0.2988, 0.6754



18.5687, 0.0675, 0.1809



18.5687, 0.2237, 0.1280

Rectangle

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



18.5687, 0.6396, 0.3303



18.5687, 0.4871, 0.5129



18.5687, 0.0675, 0.1809



18.5687, 0.1043, 0.1096

Sweetspot

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



18.5699, 0.6396, 0.3303



56.7846, 0.3803, 0.3299



24.8182, 0.3209, 0.1542



11.1844, 0.3939, 0.3300



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.



18.5699, 0.6396, 0.3303



21.3052, 0.6397, 0.3303



31.9710, 0.5430, 0.4070



15.7795, 0.3293, 0.3292



10.1735, 0.6395, 0.3304



0.8536, 0.6379, 0.3317

Inverse Universe

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



67.4635, 0.2240, 0.3262



77.4191, 0.2240, 0.3262



19.7378, 0.1764, 0.1551



17.9055, 0.2981, 0.3288



36.9413, 0.2240, 0.3263



3.0803, 0.2241, 0.3266

Previews

White Background



This preview shows how the Yxy color 18.5687, 0.6396, 0.3303 looks on a white background.

Color Contrast Check

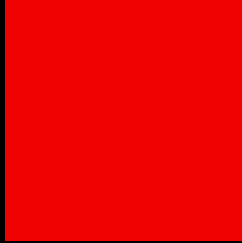
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5687, 0.6396, 0.3303 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 18.5687, 0.6396, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 18.5687, 0.6396, 0.3303.



This preview shows how white text looks on a background with the Yxy color 18.5687, 0.6396, 0.3303.

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

18.5687, 0.6396, 0.3303

Protanopia

19.0079, 0.4277, 0.4716

Deuteranopia

19.0338, 0.4704, 0.4647



Tritanopia

18.7510, 0.6343, 0.3346

Trichromacy



Original Color

18.5687, 0.6396, 0.3303

Protanomaly

14.4980, 0.5460, 0.3898

Deuteranomaly

15.2118, 0.5697, 0.3859

Tritanomaly

18.6924, 0.6366, 0.3327

Monochromacy



Original Color

18.5687, 0.6396, 0.3303

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.2986, 0.5147, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5687, 0.6396, 0.3303 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, 2, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 2, 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, 2, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 18.5687, 0.6396, 0.3303 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, 2, 0) }
```

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

```
.border{ border-color:rgb(240, 2, 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, 2, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 2, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(240, 2, 0); box-shadow:4px  
4px 4px 4px rgb(240, 2, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5687, 0.6396, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 2, 0) }
```

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

```
.background{ background-color: rgb(240, 2,  
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](#).

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