

Converting Colors

Yxy(18.6800, 0.6116, 0.3143)

Have a look what the booklet for
Yxy(18.6800, 0.6116, 0.3143)
contains.

Yxy(18.7305, 0.6119, 0.3145)	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(18.7305, 0.6119, 0.3145)

Conversions

Conversions Part 1

Format	Color
Hex	F0002F
RGB	240, 0, 47
RGB Percent	94%, 0%, 18%
CMY	0.0589, 0.9990, 0.8157
CMYK	0.00, 1.00, 0.80, 0.06
HSL	348°, 100%, 47%
HSV	348°, 100%, 94%
XYZ	36.4426, 18.7305, 4.3834
YIQ	77.1180, 127.9530, 65.4970

Conversions

Conversions Part 2

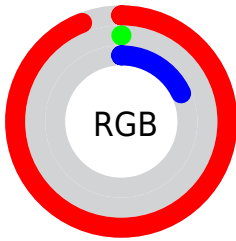
Format	Color
RYB	240, 0, 47
Decimal	15728687
CIELab	50.37, 77.16, 45.89
CIELCh	50, 89.774, 30.739
Yxy	18.7305, 0.6119, 0.3145
Android (android.graphics.Color)	4293918767 (0xFFFF002F)
YUV	77.1180, -14.8482, 142.8475
Hunter-Lab	43.2787, 74.5669, 24.2901

Details

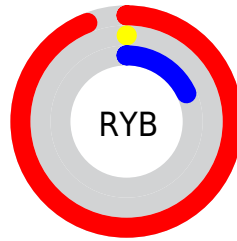
The Yxy color **18.7305, 0.6119, 0.3145** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **66.1685, 0.2426, 0.3934**, and the grayscale version is **7.4813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0736, 0.5180, 0.3296**, and **9.0052, 0.6381, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **18.7249, 0.6121, 0.3146**, and if you desaturate by 10%, it is **19.5815, 0.5834, 0.3067**.

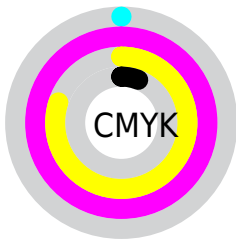
Distribution



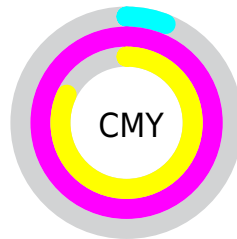
- Red (94%)
- Green (0%)
- Blue (18%)



- Red (94%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (6%)




- Cyan (6%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7305, 0.6119, 0.3145 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 18.7305, 0.6119, 0.3145 by changing the saturation by 10% instead.


 18.7305, 0.6119,
0.3145


 18.7305, 0.6119,
0.3145


244.9569, 0.4478,
0.3404


 11.4757, 0.6520,
0.2999


 41.2782, 0.5514,
0.3297


 6.3878, 0.7027,
0.2776


 57.3399, 0.5286,
0.3336


 3.0823, 0.7595,
0.2405

 77.1060, 0.5095,
0.3362

 1.1748, 0.8181,
0.1819

 100.9610, 0.4933,
0.3379

 0.0410, 0.9835,
0.0165

 129.2892, 0.4794,
0.3390

 0.0000, 1.0000,
0.0000

 162.4749, 0.4675,

 0.0000, 0.0000,

0.3397

0.0000

200.9027, 0.4570,
0.3401

■ 18.7305, 0.6119,
0.3145

■ 18.7305, 0.6119,
0.3145

■ 18.7249, 0.6121,
0.3146

■ 19.5815, 0.5834,
0.3067

■ 21.3206, 0.5462,
0.3012

■ 24.2053, 0.5045,
0.2993

■ 28.3916, 0.4633,
0.3004

■ 34.0107, 0.4258,
0.3038

■ 41.1779, 0.3935,
0.3085

■ 49.9966, 0.3667,
0.3137

■ 60.5614, 0.3447,
0.3190

■ 72.9594, 0.3269,
0.3242

Harmonies

Analogous

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



18.7305, 0.5118, 0.2375



18.7305, 0.6119, 0.3145



18.7305, 0.5856, 0.4016

Triad

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



18.7305, 0.6119, 0.3145



18.7305, 0.2248, 0.6176



18.7305, 0.1181, 0.1227

Complementary

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



18.7305, 0.6119, 0.3145



66.1685, 0.2426, 0.3934

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.



18.7305, 0.0851, 0.1475



18.7305, 0.6119, 0.3145



18.7305, 0.1264, 0.4116

Square

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



18.7305, 0.6119, 0.3145



18.7305, 0.3519, 0.6255



18.7305, 0.0848, 0.2291



18.7305, 0.1955, 0.1317

Rectangle

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



18.7305, 0.6119, 0.3145



18.7305, 0.5242, 0.4758



18.7305, 0.0848, 0.2291



18.7305, 0.1030, 0.1267

Sweetspot

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



18.7317, 0.6119, 0.3145



57.1691, 0.3671, 0.3136



17.5056, 0.2700, 0.1261



11.2726, 0.3779, 0.3113



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.



18.7317, 0.6119, 0.3145



21.4880, 0.6128, 0.3149



23.1776, 0.5987, 0.3627



15.8092, 0.3263, 0.3244



10.2672, 0.6087, 0.3127



0.8677, 0.5737, 0.2934

Inverse Universe

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



18.7317, 0.6119, 0.3145



21.4880, 0.6128, 0.3149



34.3177, 0.1963, 0.2265



15.8092, 0.3263, 0.3244



10.2672, 0.6087, 0.3127



0.8677, 0.5737, 0.2934

Previews

White Background



This preview shows how the Yxy color 18.7305, 0.6119, 0.3145 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 18.7305, 0.6119, 0.3145 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 18.7305, 0.6119, 0.3145

Background



This preview shows how black text looks on a background with the Yxy color 18.7305, 0.6119, 0.3145.



This preview shows how white text looks on a background with the Yxy color 18.7305, 0.6119, 0.3145.

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

18.7305, 0.6119, 0.3145

Protanopia

19.3867, 0.3850, 0.4185

Deuteranopia

19.1176, 0.4598, 0.4513



Tritanopia

18.8871, 0.6347, 0.3342

Trichromacy



Original Color

18.7305, 0.6119, 0.3145



Protanomaly

14.5896, 0.4940, 0.3488



Deuteranomaly

15.2007, 0.5505, 0.3688



Tritanomaly

18.6790, 0.6314, 0.3290

Monochromacy



Original Color

18.7305, 0.6119, 0.3145



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.8242, 0.4692, 0.3000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7305, 0.6119, 0.3145 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, 47)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 47)  
}
```

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, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 47) }
```

Border

The CSS property to change the border of an element to Yxy 18.7305, 0.6119, 0.3145 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, 47) }
```

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

```
.border{ border-color:rgb(240, 0, 47) }
```

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, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 47);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 47)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.7305, 0.6119, 0.3145 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, 47) }
```

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

```
.background{ background-color: rgb(240, 0,  
47) }
```

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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