

Converting Colors

$Yxy(18.6602, 0.6142, 0.3157)$

Have a look what the booklet for
Yxy(18.6602, 0.6142, 0.3157)
contains.

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Color

Yxy(18.7147, 0.6140, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	F0002D
RGB	240, 0, 45
RGB Percent	94%, 0%, 18%
CMY	0.0588, 0.9999, 0.8236
CMYK	0.00, 1.00, 0.81, 0.06
HSL	349°, 100%, 47%
HSV	349°, 100%, 94%
XYZ	36.4095, 18.7147, 4.1746
YIQ	76.8900, 128.5950, 64.8750

Conversions

Conversions Part 2

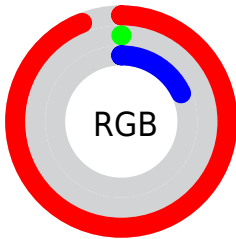
Format	Color
R_{YB}	240, 0, 45
Decimal	15728685
CIE Lab	50.35, 77.13, 46.96
CIE LCh	50, 90.302, 31.334
Yxy	18.7147, 0.6140, 0.3156
Android (android.graphics.Color)	4293918765 (0xFFFF002D)
YUV	76.8900, -15.7218, 143.0475
Hunter-Lab	43.2605, 74.5257, 24.5609

Details

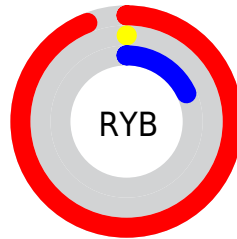
The Yxy color **18.7147, 0.6140, 0.3156** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **66.2644, 0.2419, 0.3908**, and the grayscale version is **7.4158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0381, 0.5204, 0.3314**, and **8.9987, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.7148, 0.6140, 0.3156**, and if you desaturate by 10%, it is **19.5563, 0.5859, 0.3080**.

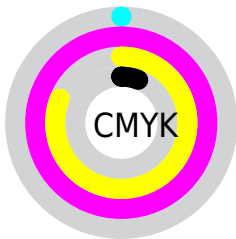
Distribution



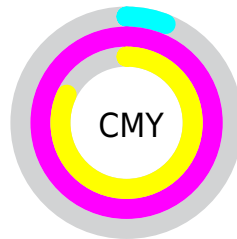
- Red (94%)
- Green (0%)
- Blue (18%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (81%)
- Black (6%)





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7147, 0.6140, 0.3156 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 18.7147, 0.6140, 0.3156 by changing the saturation by 10% instead.


 18.7147, 0.6140,
0.3156


 18.7147, 0.6140,
0.3156

244.8692, 0.4492,
0.3414

 11.4643, 0.6540,
0.3008


 41.2515, 0.5534,
0.3310

 6.3800, 0.7050,
0.2786


 57.3066, 0.5306,
0.3349


 3.0775, 0.7595,
0.2405

 77.0655, 0.5113,
0.3374

 1.1723, 0.8182,
0.1818

 100.9124, 0.4950,
0.3391

 0.0389, 0.9843,
0.0157

 129.2319, 0.4811,
0.3402

 0.0000, 1.0000,
0.0000

 162.4082, 0.4690,

 0.0000, 0.0000,

0.3408

0.0000

200.8259, 0.4584,
0.3412

■ 18.7147, 0.6140,
0.3156

■ 18.7147, 0.6140,
0.3156

■ 18.7148, 0.6140,
0.3156

■ 19.5563, 0.5859,
0.3080

■ 21.2828, 0.5487,
0.3026

■ 24.1548, 0.5068,
0.3006

■ 28.3288, 0.4652,
0.3016

■ 33.9365, 0.4273,
0.3048

■ 41.0934, 0.3946,
0.3092

■ 49.9032, 0.3674,
0.3143

■ 60.4608, 0.3452,
0.3194

■ 72.8535, 0.3272,
0.3244

Harmonies

Analogous

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



18.7147, 0.5161, 0.2384



18.7147, 0.6140, 0.3156



18.7147, 0.5853, 0.4033

Triad

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



18.7147, 0.6140, 0.3156



18.7147, 0.2217, 0.6172



18.7147, 0.1184, 0.1218

Complementary

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



18.7147, 0.6140, 0.3156



66.2644, 0.2419, 0.3908

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.



18.7147, 0.0846, 0.1458



18.7147, 0.6140, 0.3156



18.7147, 0.1241, 0.4074

Square

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



18.7147, 0.6140, 0.3156



18.7147, 0.3488, 0.6285



18.7147, 0.0837, 0.2260



18.7147, 0.1971, 0.1314

Rectangle

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



18.7147, 0.6140, 0.3156



18.7147, 0.5221, 0.4779



18.7147, 0.0837, 0.2260



18.7147, 0.1031, 0.1255

Sweetspot

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



18.7159, 0.6140, 0.3156



57.1428, 0.3677, 0.3142



17.5000, 0.2699, 0.1261



11.2665, 0.3786, 0.3120



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.



18.7159, 0.6140, 0.3156



21.4715, 0.6147, 0.3160



23.1641, 0.5989, 0.3626



15.8072, 0.3264, 0.3246



10.2588, 0.6107, 0.3138



0.8667, 0.5761, 0.2947

Inverse Universe

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



18.7159, 0.6140, 0.3156



21.4715, 0.6147, 0.3160



34.3018, 0.1962, 0.2264



15.8072, 0.3264, 0.3246



10.2588, 0.6107, 0.3138



0.8667, 0.5761, 0.2947

Previews

White Background



This preview shows how the Yxy color 18.7147, 0.6140, 0.3156 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 18.7147, 0.6140, 0.3156 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 18.7147, 0.6140, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 18.7147, 0.6140, 0.3156.



This preview shows how white text looks on a background with the Yxy color 18.7147, 0.6140, 0.3156.

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

18.7147, 0.6140, 0.3156

Protanopia

19.3478, 0.3883, 0.4236

Deuteranopia

19.1040, 0.4615, 0.4535



Tritanopia

18.8871, 0.6347, 0.3342

Trichromacy



Original Color

18.7147, 0.6140, 0.3156



Protanomaly

14.5564, 0.4986, 0.3527



Deuteranomaly

15.1837, 0.5533, 0.3709



Tritanomaly

18.6760, 0.6318, 0.3293

Monochromacy



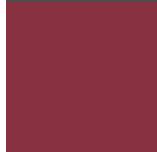
Original Color

18.7147, 0.6140, 0.3156



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.8125, 0.4716, 0.3018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7147, 0.6140, 0.3156 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, 45)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 45)  
}
```

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, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 45) }
```

Border

The CSS property to change the border of an element to Yxy 18.7147, 0.6140, 0.3156 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, 45) }
```

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

```
.border{ border-color:rgb(240, 0, 45) }
```

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, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 45);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 45)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.7147, 0.6140, 0.3156 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, 45) }
```

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

```
.background{ background-color: rgb(240, 0,  
45) }
```

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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