

Converting Colors

$Yxy(18.5673, 0.6267, 0.3226)$

Have a look what the booklet for
Yxy(18.5673, 0.6267, 0.3226)
contains.

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Color

Yxy(18.6190, 0.6268, 0.3227)

Conversions

Conversions Part 1

Format	Color
Hex	F0001E
RGB	240, 0, 30
RGB Percent	94%, 0%, 12%
CMY	0.0589, 0.9992, 0.8825
CMYK	0.00, 1.00, 0.88, 0.06
HSL	353°, 100%, 47%
HSV	353°, 100%, 94%
XYZ	36.1648, 18.6190, 2.9137
YIQ	75.1800, 133.4100, 60.2100

Conversions

Conversions Part 2

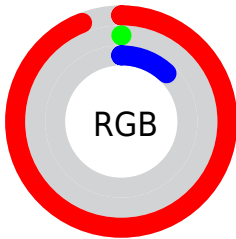
Format	Color
RYB	240, 0, 30
Decimal	15728670
CIELab	50.24, 76.80, 54.38
CIElCh	50, 94.108, 35.301
Yxy	18.6190, 0.6268, 0.3227
Android (android.graphics.Color)	4293918750 (0xFFFF001E)
YUV	75.1800, -22.2737, 144.5471
Hunter-Lab	43.1497, 74.0931, 26.2012

Details

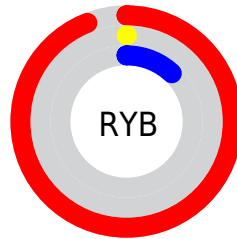
The Yxy color **18.6190, 0.6268, 0.3227** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark saturated red. A complement of this color would be **66.9752, 0.2358, 0.3688**, and the grayscale version is **7.1148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6245, 0.5381, 0.3428**, and **8.9987, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.6147, 0.6270, 0.3227**, and if you desaturate by 10%, it is **19.4228, 0.6021, 0.3173**.

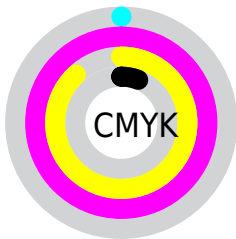
Distribution



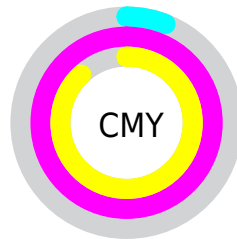
- Red (94%)
- Green (0%)
- Blue (12%)



- Red (94%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (88%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6190, 0.6268, 0.3227 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 18.6190, 0.6268, 0.3227 by changing the saturation by 10% instead.


 18.6190, 0.6268,
0.3227


 18.6190, 0.6268,
0.3227


244.3373, 0.4583,
0.3487


 11.3953, 0.6652,
0.3065


 41.0893, 0.5665,
0.3393


 6.3334, 0.7165,
0.2835


 57.1047, 0.5432,
0.3433

 3.0488, 0.7593,
0.2407

 76.8194, 0.5233,
0.3458

 1.1573, 0.8182,
0.1818

 100.6179, 0.5064,
0.3473

 0.0264, 0.9891,
0.0109

 128.8846, 0.4918,
0.3482


 0.0000, 1.0000,
0.0000


 162.0037, 0.4791,


 0.0000, 0.0000,


0.3486


0.0000


 200.3598, 0.4680,
0.3488

 18.6190, 0.6268,
0.3227


 18.6190, 0.6268,
0.3227

 18.6147, 0.6270,
0.3227

 19.4228, 0.6021,
0.3173

 21.1208, 0.5655,
0.3130

 23.9740, 0.5220,
0.3110

 28.1406, 0.4775,
0.3113

 33.7543, 0.4365,
0.3132

■ 40.9319, 0.4010,
0.3160

■ 49.7784, 0.3715,
0.3193

■ 60.3898, 0.3475,
0.3227

■ 72.8547, 0.3281,
0.3260

Harmonies

Analogous

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



18.6190, 0.5451, 0.2448



18.6190, 0.6268, 0.3227



18.6190, 0.5823, 0.4160

Triad

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



18.6190, 0.6268, 0.3227



18.6190, 0.2000, 0.6121



18.6190, 0.1208, 0.1161

Complementary

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



18.6190, 0.6268, 0.3227



66.9752, 0.2358, 0.3688

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.



18.6190, 0.0820, 0.1346



18.6190, 0.6268, 0.3227



18.6190, 0.1089, 0.3781

Square

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



18.6190, 0.6268, 0.3227



18.6190, 0.3272, 0.6489



18.6190, 0.0762, 0.2052



18.6190, 0.2083, 0.1299

Rectangle

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



18.6190, 0.6268, 0.3227



18.6190, 0.5073, 0.4927



18.6190, 0.0762, 0.2052



18.6190, 0.1036, 0.1183

Sweetspot

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



18.6202, 0.6268, 0.3227



56.9307, 0.3720, 0.3192



19.7064, 0.2869, 0.1355



11.2179, 0.3838, 0.3178



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.



18.6202, 0.6268, 0.3227



21.3624, 0.6274, 0.3230



25.5227, 0.5815, 0.3764



15.7908, 0.3274, 0.3261



10.2020, 0.6244, 0.3213



0.8589, 0.5957, 0.3056

Inverse Universe

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



18.6202, 0.6268, 0.3227



21.3624, 0.6274, 0.3230



28.7692, 0.1895, 0.2022



15.7908, 0.3274, 0.3261



10.2020, 0.6244, 0.3213



0.8589, 0.5957, 0.3056

Previews

White Background



This preview shows how the Yxy color 18.6190, 0.6268, 0.3227 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 18.6190, 0.6268, 0.3227 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 18.6190, 0.6268, 0.3227

Background



This preview shows how black text looks on a background with the Yxy color 18.6190, 0.6268, 0.3227.



This preview shows how white text looks on a background with the Yxy color 18.6190, 0.6268, 0.3227.

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

18.6190, 0.6268, 0.3227

Protanopia

19.0736, 0.4102, 0.4484

Deuteranopia

19.0338, 0.4704, 0.4647



Tritanopia

18.9245, 0.6343, 0.3345

Trichromacy



Original Color

18.6190, 0.6268, 0.3227



Protanomaly

14.3738, 0.5243, 0.3704



Deuteranomaly

15.1035, 0.5669, 0.3814



Tritanomaly

18.6890, 0.6334, 0.3305

Monochromacy



Original Color

18.6190, 0.6268, 0.3227



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

7.5806, 0.4853, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6190, 0.6268, 0.3227 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, 30)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 30)  
}
```

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, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 30) }
```

Border

The CSS property to change the border of an element to Yxy 18.6190, 0.6268, 0.3227 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, 30) }
```

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

```
.border{ border-color:rgb(240, 0, 30) }
```

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, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 30);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 30)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.6190, 0.6268, 0.3227 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, 30) }
```

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

```
.background{ background-color: rgb(240, 0,  
30) }
```

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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