

Converting Colors

$Yxy(18.3359, 0.5974, 0.3065)$

Have a look what the booklet for
Yxy(18.3359, 0.5974, 0.3065)
contains.

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Color

Yxy(18.3203, 0.5970, 0.3062)

Conversions

Conversions Part 1

Format	Color
Hex	ED003B
RGB	237, 0, 59
RGB Percent	93%, 0%, 23%
CMY	0.0705, 1.0000, 0.7686
CMYK	0.00, 1.00, 0.75, 0.07
HSL	345°, 100%, 46%
HSV	345°, 100%, 93%
XYZ	35.7192, 18.3203, 5.7917
YIQ	77.5890, 122.3130, 68.5930

Conversions

Conversions Part 2

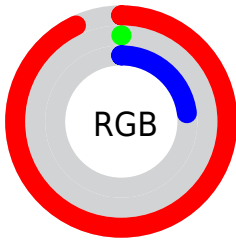
Format	Color
R_YB	237, 0, 59
Decimal	15532091
CIE Lab	49.88, 76.84, 38.37
CIE LCh	50, 85.894, 26.536
Yxy	18.3203, 0.5970, 0.3062
Android (android.graphics.Color)	4293722171 (0xFFED003B)
YUV	77.5890, -9.1644, 139.8034
Hunter-Lab	42.8022, 74.0575, 21.9389

Details

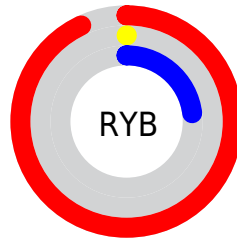
The Yxy color **18.3203, 0.5970, 0.3062** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **63.7938, 0.2480, 0.4128**, and the grayscale version is **7.5385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1293, 0.5037, 0.3178**, and **8.8143, 0.6270, 0.3228** is the 20% darker color. If you saturate the color by 10%, you get **18.3234, 0.5970, 0.3062**, and if you desaturate by 10%, it is **19.1817, 0.5670, 0.2973**.

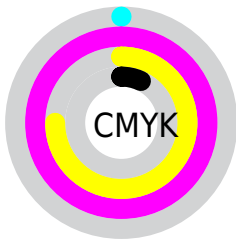
Distribution



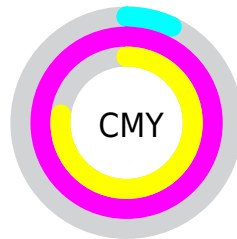
- Red (93%)
- Green (0%)
- Blue (23%)



- Red (93%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (75%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3203, 0.5970, 0.3062 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 18.3203, 0.5970, 0.3062 by changing the saturation by 10% instead.


 18.3203, 0.5970,
0.3062


 18.3203, 0.5970,
0.3062


242.6703, 0.4383,
0.3332


 11.1802, 0.6381,
0.2925


 40.5824, 0.5371,
0.3209


 6.1882, 0.6890,
0.2708

 56.4731, 0.5150,
0.3249


 2.9598, 0.7612,
0.2388

 76.0495, 0.4966,
0.3276

 1.1108, 0.8207,
0.1793

 99.6960, 0.4812,
0.3296

 0.0000, 1.0000,
0.0000

 127.7969, 0.4680,
0.3310

 0.0000, 0.0000,
0.0000

 160.7366, 0.4567,

0.3320

198.8996, 0.4469,
0.3327

■ 18.3203, 0.5970,
0.3062

■ 18.3203, 0.5970,
0.3062

■ 18.3234, 0.5970,
0.3062

■ 19.1817, 0.5670,
0.2973

■ 20.8922, 0.5304,
0.2915

■ 23.7065, 0.4910,
0.2900

■ 27.7747, 0.4526,
0.2920

■ 33.2232, 0.4180,
0.2966

■ 40.1627, 0.3881,
0.3027

■ 48.6928, 0.3632,
0.3094

■ 58.9044, 0.3428,
0.3162

■ 70.8813, 0.3262,
0.3228

Harmonies

Analogous

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



18.3203, 0.4830, 0.2303



18.3203, 0.5970, 0.3062



18.3203, 0.5887, 0.3899

Triad

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



18.3203, 0.5970, 0.3062



18.3203, 0.2463, 0.6199



18.3203, 0.1156, 0.1285

Complementary

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



18.3203, 0.5970, 0.3062



63.7938, 0.2480, 0.4128

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.



18.3203, 0.0877, 0.1594



18.3203, 0.5970, 0.3062



18.3203, 0.1425, 0.4406

Square

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



18.3203, 0.5970, 0.3062



18.3203, 0.3727, 0.6061



18.3203, 0.0928, 0.2515



18.3203, 0.1848, 0.1330

Rectangle

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



18.3203, 0.5970, 0.3062



18.3203, 0.5359, 0.4597



18.3203, 0.0928, 0.2515



18.3203, 0.1024, 0.1342

Sweetspot

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



18.3234, 0.5970, 0.3062



57.3563, 0.3635, 0.3093



15.5525, 0.2574, 0.1192



11.3157, 0.3735, 0.3064



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.



18.3234, 0.5970, 0.3062



21.6243, 0.5979, 0.3067



21.1618, 0.6102, 0.3537



15.1156, 0.3254, 0.3232



10.0198, 0.5930, 0.3040



0.8018, 0.5540, 0.2825

Inverse Universe

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



18.3234, 0.5970, 0.3062



21.6243, 0.5979, 0.3067



37.8623, 0.2013, 0.2445



15.1156, 0.3254, 0.3232



10.0198, 0.5930, 0.3040



0.8018, 0.5540, 0.2825

Previews

White Background



This preview shows how the Yxy color 18.3203, 0.5970, 0.3062 looks on a white 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

Black Background



This preview shows how the Yxy color 18.3203, 0.5970, 0.3062 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 18.3203, 0.5970, 0.3062

Background



This preview shows how black text looks on a background with the Yxy color 18.3203, 0.5970, 0.3062.



This preview shows how white text looks on a background with the Yxy color 18.3203, 0.5970, 0.3062.

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

18.3203, 0.5970, 0.3062

Protanopia

18.8213, 0.3619, 0.3877

Deuteranopia

18.7159, 0.4440, 0.4353



Tritanopia

18.5206, 0.6284, 0.3325

Trichromacy



Original Color

18.3203, 0.5970, 0.3062



Protanomaly

14.0438, 0.4675, 0.3265



Deuteranomaly

14.9492, 0.5295, 0.3554



Tritanomaly

18.2734, 0.6223, 0.3248

Monochromacy



Original Color

18.3203, 0.5970, 0.3062



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

7.9704, 0.4563, 0.2925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3203, 0.5970, 0.3062 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(237, 0, 59)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 59)  
}
```

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(237, 0, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 59) }
```

Border

The CSS property to change the border of an element to Yxy 18.3203, 0.5970, 0.3062 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(237, 0, 59) }
```

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

```
.border{ border-color:rgb(237, 0, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 0, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 59);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 59)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.3203, 0.5970, 0.3062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 59) }
```

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

```
.background{ background-color: rgb(237, 0,  
59) }
```

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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