

Converting Colors

$Y_{xy}(16.0570, 0.6166, 0.3170)$

Have a look what the booklet for
Yxy(16.0570, 0.6166, 0.3170)
contains.

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Color

Yxy(15.9938, 0.6164, 0.3169)

Conversions

Conversions Part 1

Format	Color
Hex	E00027
RGB	224, 0, 39
RGB Percent	88%, 0%, 15%
CMY	0.1215, 1.0000, 0.8471
CMYK	0.00, 1.00, 0.83, 0.12
HSL	350°, 100%, 44%
HSV	350°, 100%, 88%
XYZ	31.1094, 15.9938, 3.3663
YIQ	71.4220, 120.9850, 59.6170

Conversions

Conversions Part 2

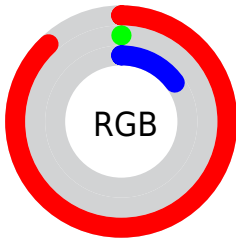
Format	Color
RYB	224, 0, 39
Decimal	14680103
CIELab	46.97, 73.17, 45.79
CIElCh	47, 86.319, 32.039
Yxy	15.9938, 0.6164, 0.3169
Android (android.graphics.Color)	4292870183 (0xFFE00027)
YUV	71.4220, -15.9840, 133.8109
Hunter-Lab	39.9922, 68.8663, 23.0039

Details

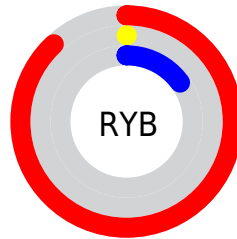
The Yxy color **15.9938, 0.6164, 0.3169** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **56.8211, 0.2405, 0.3859**, and the grayscale version is **6.3890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2282, 0.5316, 0.3339**, and **7.3709, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.9956, 0.6164, 0.3169**, and if you desaturate by 10%, it is **16.7388, 0.5885, 0.3099**.

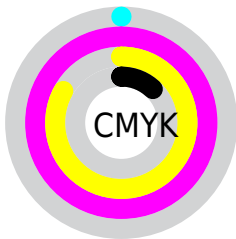
Distribution



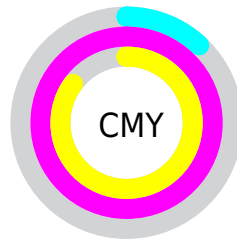
- Red (88%)
- Green (0%)
- Blue (15%)



- Red (88%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (12%)




- Cyan (12%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9938, 0.6164, 0.3169 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 15.9938, 0.6164, 0.3169 by changing the saturation by 10% instead.


 15.9938, 0.6164,
0.3169


 15.9938, 0.6164,
0.3169

229.3051, 0.4467,
0.3427


 9.5198, 0.6585,
0.3009


 36.5874, 0.5531,
0.3329


 5.0817, 0.7188,
0.2785

 51.4758, 0.5295,
0.3368


 2.2953, 0.7677,
0.2323

 69.9378, 0.5097,
0.3393

 0.7712, 0.8342,
0.1658

 92.3578, 0.4931,
0.3409

 0.0000, 1.0000,
0.0000


 119.1201, 0.4788,
0.3418


 0.0000, 0.0000,
0.0000


 150.6091, 0.4666,

0.3424


 187.2094, 0.4560,
0.3426

 15.9938, 0.6164,
0.3169


 15.9938, 0.6164,
0.3169


 15.9956, 0.6164,
0.3169

 16.7388, 0.5885,
0.3099

 18.2326, 0.5512,
0.3047

 20.7048, 0.5090,
0.3028

 24.2872, 0.4670,
0.3037

 29.0911, 0.4286,
0.3066

■ 35.2142, 0.3956,
0.3107

■ 42.7442, 0.3680,
0.3154

■ 51.7615, 0.3456,
0.3201

■ 62.3400, 0.3274,
0.3247

Harmonies

Analogous

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



15.9938, 0.5211, 0.2396



15.9938, 0.6164, 0.3169



15.9938, 0.5856, 0.4060

Triad

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



15.9938, 0.6164, 0.3169



15.9938, 0.2179, 0.6165



15.9938, 0.1188, 0.1208

Complementary

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



15.9938, 0.6164, 0.3169



56.8211, 0.2405, 0.3859

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.



15.9938, 0.0842, 0.1437



15.9938, 0.6164, 0.3169



15.9938, 0.1214, 0.4023

Square

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



15.9938, 0.6164, 0.3169



15.9938, 0.3455, 0.6329



15.9938, 0.0823, 0.2222



15.9938, 0.1990, 0.1311

Rectangle

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



15.9938, 0.6164, 0.3169



15.9938, 0.5196, 0.4804



15.9938, 0.0823, 0.2222



15.9938, 0.1032, 0.1242

Sweetspot

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



15.9956, 0.6164, 0.3169



57.0978, 0.3686, 0.3153



15.4427, 0.2743, 0.1285



11.2562, 0.3797, 0.3132



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.



15.9956, 0.6164, 0.3169



21.4448, 0.6177, 0.3177



20.3476, 0.5942, 0.3664



13.7393, 0.3265, 0.3249



9.3213, 0.6133, 0.3152



0.6579, 0.5729, 0.2929

Inverse Universe

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



15.9956, 0.6164, 0.3169



21.4448, 0.6177, 0.3177



28.1893, 0.1947, 0.2207



13.7393, 0.3265, 0.3249



9.3213, 0.6133, 0.3152



0.6579, 0.5729, 0.2929

Previews

White Background



This preview shows how the Yxy color 15.9938, 0.6164, 0.3169 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 15.9938, 0.6164, 0.3169 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.9938, 0.6164, 0.3169

Background



This preview shows how black text looks on a background with the Yxy color 15.9938, 0.6164, 0.3169.



This preview shows how white text looks on a background with the Yxy color 15.9938, 0.6164, 0.3169.

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

15.9938, 0.6164, 0.3169

Protanopia

16.5180, 0.3937, 0.4269

Deuteranopia

16.3955, 0.4648, 0.4567



Tritanopia

16.1883, 0.6342, 0.3346

Trichromacy



Original Color

15.9938, 0.6164, 0.3169

Protanomaly

12.4781, 0.5034, 0.3552

Deuteranomaly

12.9751, 0.5559, 0.3746

Tritanomaly

16.0075, 0.6314, 0.3297

Monochromacy



Original Color

15.9938, 0.6164, 0.3169

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

6.7046, 0.4750, 0.3039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9938, 0.6164, 0.3169 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(224, 0, 39)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 39)  
}
```

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(224, 0, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 39) }
```

Border

The CSS property to change the border of an element to Yxy 15.9938, 0.6164, 0.3169 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(224, 0, 39) }
```

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

```
.border{ border-color:rgb(224, 0, 39) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 39);  
box-shadow:4px 4px 4px 4px rgb(224, 0, 39)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.9938, 0.6164, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 39) }
```

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

```
.background{ background-color: rgb(224, 0,  
39) }
```

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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