

Converting Colors

$Yxy(16.7965, 0.6312, 0.3251)$

Have a look what the booklet for
Yxy(16.7965, 0.6312, 0.3251)
contains.

| | |
|--|----|
| Yxy(16.7159, 0.6309, 0.3249) | 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> | 29 |

Color

Yxy(16.7159, 0.6309, 0.3249)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E50016 |
| RGB | 229, 0, 22 |
| RGB Percent | 90%, 0%, 9% |
| CMY | 0.1019, 1.0000, 0.9138 |
| CMYK | 0.00, 1.00, 0.90, 0.10 |
| HSL | 354°, 100%, 45% |
| HSV | 354°, 100%, 90% |
| XYZ | 32.4594, 16.7159, 2.2741 |
| YIQ | 70.9790, 129.4220, 55.3900 |

Conversions

Conversions Part 2

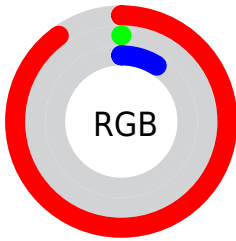
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 229, 0, 22 |
| Decimal | 15007766 |
| CIE _{Lab} | 47.90, 74.06, 55.09 |
| CIE _{LCh} | 48, 92.306, 36.646 |
| Yxy | 16.7159, 0.6309, 0.3249 |
| Android (android.graphics.Color) | 4293197846 (0xFFE50016) |
| YUV | 70.9790, -24.1466, 138.5844 |
| Hunter-Lab | 40.8851, 70.1655, 25.3218 |

Details

The Yxy color **16.7159, 0.6309, 0.3249** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **60.5481, 0.2332, 0.3593**, and the grayscale version is **6.3229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1844, 0.5469, 0.3463**, and **7.7865, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.7169, 0.6309, 0.3249**, and if you desaturate by 10%, it is **17.4402, 0.6079, 0.3208**.

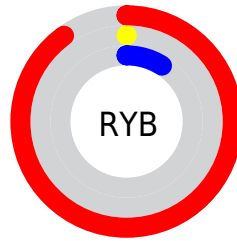
Distribution



Red (90%)

Green (0%)

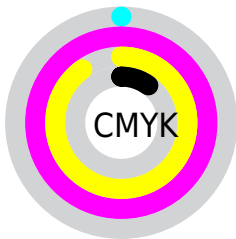
Blue (9%)



Red (90%)

Yellow (0%)

Blue (9%)

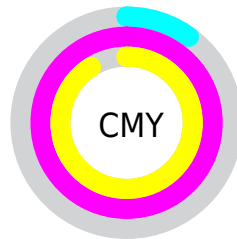


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (10%)



Cyan (10%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7159, 0.6309, 0.3249 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 16.7159, 0.6309, 0.3249 by changing the saturation by 10% instead.


 16.7159, 0.6309,
0.3249


 16.7159, 0.6309,
0.3249


233.5298, 0.4586,
0.3512


 10.0321, 0.6705,
0.3076


 37.8367, 0.5691,
0.3424


 5.4203, 0.7191,
0.2809

 53.0425, 0.5452,
0.3465


 2.4959, 0.7648,
0.2352

 71.8577, 0.5249,
0.3489

 0.8746, 0.8284,
0.1716

 94.6668, 0.5076,
0.3504


 0.0000, 1.0000,
0.0000


 121.8542, 0.4927,
0.3511


 0.0000, 0.0000,
0.0000


 153.8042, 0.4798,


0.3514


 190.9013, 0.4685,
0.3514

 16.7159, 0.6309,
0.3249


 16.7159, 0.6309,
0.3249


 16.7169, 0.6309,
0.3249

 17.4402, 0.6079,
0.3208

 18.9611, 0.5721,
0.3172

 21.5208, 0.5282,
0.3155

 25.2611, 0.4827,
0.3155

 30.3019, 0.4405,
0.3169

■ 36.7482, 0.4039,
0.3190

■ 44.6943, 0.3734,
0.3215

■ 54.2263, 0.3486,
0.3241

■ 65.4238, 0.3287,
0.3266

Harmonies

Analogous

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



16.7159, 0.5554, 0.2468



16.7159, 0.6309, 0.3249



16.7159, 0.5802, 0.4198

Triad

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



16.7159, 0.6309, 0.3249



16.7159, 0.1923, 0.6098



16.7159, 0.1216, 0.1141

Complementary

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



16.7159, 0.6309, 0.3249



60.5481, 0.2332, 0.3593

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.



16.7159, 0.0810, 0.1307



16.7159, 0.6309, 0.3249



16.7159, 0.1038, 0.3677

Square

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



16.7159, 0.6309, 0.3249



16.7159, 0.3197, 0.6569



16.7159, 0.0736, 0.1981



16.7159, 0.2124, 0.1293

Rectangle

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



16.7159, 0.6309, 0.3249



16.7159, 0.5019, 0.4981



16.7159, 0.0736, 0.1981



16.7159, 0.1037, 0.1158

Sweetspot

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



16.7170, 0.6309, 0.3249



56.8386, 0.3739, 0.3215



18.7945, 0.2955, 0.1402



11.1969, 0.3861, 0.3204



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.



16.7170, 0.6309, 0.3249



21.3280, 0.6316, 0.3253



24.2451, 0.5720, 0.3841



14.3904, 0.3277, 0.3268



9.5651, 0.6288, 0.3237



0.7145, 0.6022, 0.3091

Inverse Universe

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



16.7170, 0.6309, 0.3249



21.3280, 0.6316, 0.3253



23.6643, 0.1862, 0.1904



14.3904, 0.3277, 0.3268



9.5651, 0.6288, 0.3237



0.7145, 0.6022, 0.3091

Previews

White Background



This preview shows how the Yxy color 16.7159, 0.6309, 0.3249 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 16.7159, 0.6309, 0.3249 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 16.7159, 0.6309, 0.3249

Background



This preview shows how black text looks on a background with the Yxy color 16.7159, 0.6309, 0.3249.



This preview shows how white text looks on a background with the Yxy color 16.7159, 0.6309, 0.3249.

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

16.7159, 0.6309, 0.3249

Protanopia

17.3251, 0.4164, 0.4590

Deuteranopia

17.2629, 0.4697, 0.4652

Trichromacy



Original Color

16.7159, 0.6309, 0.3249

Protanomaly

13.0182, 0.5307, 0.3781

Deuteranomaly

13.6280, 0.5662, 0.3832

Monochromacy



Original Color

16.7159, 0.6309, 0.3249

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

6.7230, 0.4917, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7159, 0.6309, 0.3249 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(229, 0, 22)` looks like.

```
.text, #text, p{  
  color:rgb(229, 0, 22)  
}
```

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(229, 0, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 22) }
```

Border

The CSS property to change the border of an element to Yxy 16.7159, 0.6309, 0.3249 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(229, 0, 22) }
```

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

```
.border{ border-color:rgb(229, 0, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 0, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 22);  
box-shadow:4px 4px 4px 4px rgb(229, 0, 22)  
}
```

Background

The CSS property to change the background color of an element to Yxy 16.7159, 0.6309, 0.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 22) }
```

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

```
.background{ background-color: rgb(229, 0,  
22) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor