

Converting Colors

$Yxy(16.7240, 0.6296, 0.3242)$

Have a look what the booklet for
Yxy(16.7240, 0.6296, 0.3242)
contains.

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Color

Yxy(16.7240, 0.6296, 0.3242)

Conversions

Conversions Part 1

Format	Color
Hex	E50018
RGB	229, 0, 24
RGB Percent	90%, 0%, 9%
CMY	0.1020, 0.9998, 0.9057
CMYK	0.00, 1.00, 0.89, 0.10
HSL	354°, 100%, 45%
HSV	354°, 100%, 90%
XYZ	32.4782, 16.7240, 2.3832
YIQ	71.2070, 128.7800, 56.0120

Conversions

Conversions Part 2

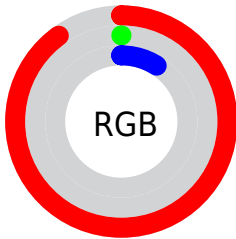
Format	Color
RYB	229, 0, 24
Decimal	15007768
CIELab	47.91, 74.08, 54.24
CIElCh	48, 91.820, 36.212
Yxy	16.7240, 0.6296, 0.3242
Android (android.graphics.Color)	4293197848 (0xFFE50018)
YUV	71.2070, -23.2731, 138.3845
Hunter-Lab	40.8950, 70.1958, 25.1712

Details

The Yxy color **16.7240, 0.6296, 0.3242** 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 **60.4458, 0.2340, 0.3623**, and the grayscale version is **6.3684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2101, 0.5449, 0.3449**, and **7.7865, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.7237, 0.6296, 0.3242**, and if you desaturate by 10%, it is **17.4547, 0.6059, 0.3197**.

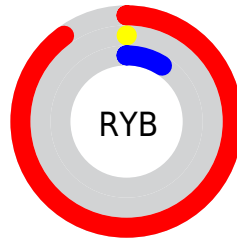
Distribution



Red (90%)

Green (0%)

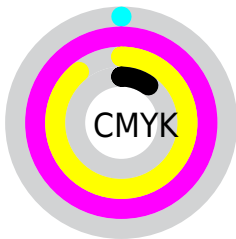
Blue (9%)



Red (90%)

Yellow (0%)

Blue (9%)

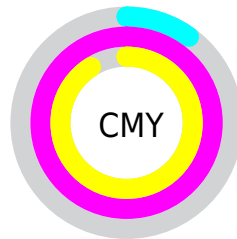


Cyan (0%)

Magenta (100%)

Yellow (89%)

Black (10%)



Cyan (10%)


Magenta (100%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7240, 0.6296, 0.3242 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 16.7240, 0.6296, 0.3242 by changing the saturation by 10% instead.


 16.7240, 0.6296,
0.3242


 16.7240, 0.6296,
0.3242

233.5768, 0.4575,
0.3504


 10.0379, 0.6693,
0.3070


 37.8506, 0.5677,
0.3415


 5.4241, 0.7191,
0.2809

 53.0599, 0.5438,
0.3456


 2.4982, 0.7648,
0.2352

 71.8791, 0.5236,
0.3480

 0.8757, 0.8284,
0.1716

 94.6926, 0.5063,
0.3494


 0.0000, 1.0000,
0.0000

 121.8847, 0.4915,
0.3502

 0.0000, 0.0000,
0.0000

 153.8398, 0.4786,

0.3505

 190.9424, 0.4674,
0.3505

 16.7240, 0.6296,
0.3242

 16.7240, 0.6296,
0.3242


 16.7237, 0.6296,
0.3242


 17.4547, 0.6059,
0.3197

 18.9826, 0.5698,
0.3159


 21.5485, 0.5260,
0.3141


 25.2939, 0.4809,
0.3142

 30.3383, 0.4391,
0.3157

 36.7864, 0.4029,
0.3181

 44.7325, 0.3728,
0.3208

 54.2622, 0.3482,
0.3237

 65.4552, 0.3285,
0.3264

Harmonies

Analogous

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



16.7240, 0.5520, 0.2461



16.7240, 0.6296, 0.3242



16.7240, 0.5812, 0.4188

Triad

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



16.7240, 0.6296, 0.3242



16.7240, 0.1948, 0.6106



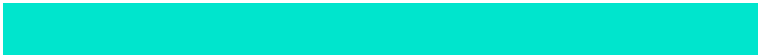
16.7240, 0.1213, 0.1148

Complementary

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



16.7240, 0.6296, 0.3242



60.4458, 0.2340, 0.3623

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.



16.7240, 0.0813, 0.1320



16.7240, 0.6296, 0.3242



16.7240, 0.1054, 0.3711

Square

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



16.7240, 0.6296, 0.3242



16.7240, 0.3222, 0.6545



16.7240, 0.0744, 0.2004



16.7240, 0.2111, 0.1295

Rectangle

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



16.7240, 0.6296, 0.3242



16.7240, 0.5036, 0.4964



16.7240, 0.0744, 0.2004



16.7240, 0.1036, 0.1166

Sweetspot

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



16.7251, 0.6296, 0.3242



56.8674, 0.3733, 0.3208



18.2550, 0.2913, 0.1378



11.2035, 0.3854, 0.3196



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.



16.7251, 0.6296, 0.3242



21.3379, 0.6304, 0.3246



23.6072, 0.5766, 0.3804



14.3924, 0.3276, 0.3266



9.5703, 0.6274, 0.3230



0.7155, 0.5990, 0.3073

Inverse Universe

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



16.7251, 0.6296, 0.3242



21.3379, 0.6304, 0.3246



24.7770, 0.1879, 0.1964



14.3924, 0.3276, 0.3266



9.5703, 0.6274, 0.3230



0.7155, 0.5990, 0.3073

Previews

White Background



This preview shows how the Yxy color 16.7240, 0.6296, 0.3242 looks on a white background.

Color Contrast Check

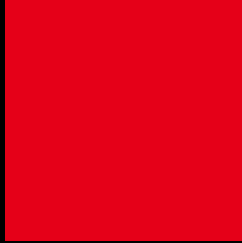
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7240, 0.6296, 0.3242 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 16.7240, 0.6296, 0.3242

Background



This preview shows how black text looks on a background with the Yxy color 16.7240, 0.6296, 0.3242.



This preview shows how white text looks on a background with the Yxy color 16.7240, 0.6296, 0.3242.

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

16.7240, 0.6296, 0.3242

Protanopia

17.3398, 0.4146, 0.4564

Deuteranopia

17.2629, 0.4697, 0.4652



Tritanopia

17.0303, 0.6341, 0.3347

Trichromacy



Original Color

16.7240, 0.6296, 0.3242



Protanomaly

13.0305, 0.5284, 0.3763



Deuteranomaly

13.6301, 0.5658, 0.3829



Tritanomaly

16.8016, 0.6337, 0.3308

Monochromacy



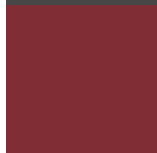
Original Color

16.7240, 0.6296, 0.3242



Achromatopsia

6.3010, 0.3127, 0.3290



Achromatomaly

6.7323, 0.4892, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7240, 0.6296, 0.3242 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, 24)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 24)  
}
```

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, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 24) }
```

Border

The CSS property to change the border of an element to Yxy 16.7240, 0.6296, 0.3242 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, 24) }
```

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

```
.border{ border-color:rgb(229, 0, 24) }
```

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, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 24);  
box-shadow:4px 4px 4px 4px rgb(229, 0, 24)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.7240, 0.6296, 0.3242 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, 24) }
```

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

```
.background{ background-color: rgb(229, 0,  
24) }
```

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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