

Converting Colors

$Yxy(16.0195, 0.6367, 0.3264)$

Have a look what the booklet for
Yxy(16.0195, 0.6367, 0.3264)
contains.

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Color

Yxy(16.1978, 0.6353, 0.3273)

Conversions

Conversions Part 1

Format	Color
Hex	E2000D
RGB	226, 0, 13
RGB Percent	89%, 0%, 5%
CMY	0.1137, 1.0000, 0.9489
CMYK	0.00, 1.00, 0.94, 0.11
HSL	357°, 100%, 44%
HSV	357°, 100%, 89%
XYZ	31.4405, 16.1978, 1.8509
YIQ	69.0560, 130.5230, 51.9550

Conversions

Conversions Part 2

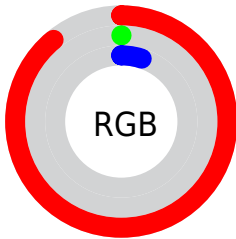
Format	Color
RYB	226, 0, 13
Decimal	14811149
CIELab	47.23, 73.24, 57.60
CIElCh	47, 93.175, 38.182
Yxy	16.1978, 0.6353, 0.3273
Android (android.graphics.Color)	4293001229 (0xFFE2000D)
YUV	69.0560, -27.6356, 137.6399
Hunter-Lab	40.2465, 69.0124, 25.4459

Details

The Yxy color **16.1978, 0.6353, 0.3273** 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 **59.2046, 0.2297, 0.3468**, and the grayscale version is **5.9920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9312, 0.5544, 0.3503**, and **7.4736, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.2003, 0.6353, 0.3273**, and if you desaturate by 10%, it is **16.8856, 0.6151, 0.3250**.

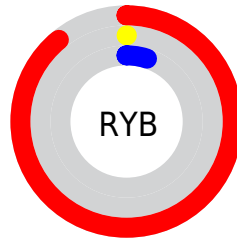
Distribution



Red (89%)

Green (0%)

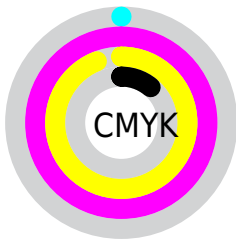
Blue (5%)



Red (89%)

Yellow (0%)

Blue (5%)

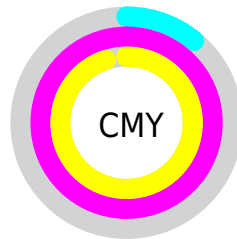


Cyan (0%)

Magenta (100%)

Yellow (94%)

Black (11%)



Cyan (11%)


Magenta (100%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1978, 0.6353, 0.3273 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 16.1978, 0.6353, 0.3273 by changing the saturation by 10% instead.


 16.1978, 0.6353,
0.3273


 16.1978, 0.6353,
0.3273


 230.5061, 0.4615,
0.3541


 9.6642, 0.6756,
0.3096


 36.9413, 0.5736,
0.3457


 5.1769, 0.7198,
0.2802

 51.9199, 0.5495,
0.3499


 2.3514, 0.7664,
0.2336

 70.4824, 0.5290,
0.3523


 0.8007, 0.8319,
0.1681

 93.0131, 0.5114,
0.3537


 0.0000, 1.0000,
0.0000


 119.8965, 0.4962,
0.3544


 0.0000, 0.0000,
0.0000


 151.5168, 0.4831,

0.3546


 188.2585, 0.4716,
0.3544


 16.1978, 0.6353,
0.3273


 16.1978, 0.6353,
0.3273


 16.2003, 0.6353,
0.3273

 16.8856, 0.6151,
0.3250

 18.3453, 0.5807,
0.3226

 20.8165, 0.5367,
0.3214

 24.4382, 0.4900,
0.3212

 29.3275, 0.4461,
0.3219

 35.5872, 0.4078,
0.3231

 43.3096, 0.3760,
0.3246

 52.5788, 0.3501,
0.3261

 63.4727, 0.3293,
0.3276

Harmonies

Analogous

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



16.1978, 0.5673, 0.2490



16.1978, 0.6353, 0.3273



16.1978, 0.5764, 0.4236

Triad

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



16.1978, 0.6353, 0.3273



16.1978, 0.1834, 0.6067



16.1978, 0.1225, 0.1118

Complementary

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



16.1978, 0.6353, 0.3273



59.2046, 0.2297, 0.3468

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.



16.1978, 0.0799, 0.1264



16.1978, 0.6353, 0.3273



16.1978, 0.0979, 0.3557

Square

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



16.1978, 0.6353, 0.3273



16.1978, 0.3105, 0.6659



16.1978, 0.0707, 0.1902



16.1978, 0.2172, 0.1286

Rectangle

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



16.1978, 0.6353, 0.3273



16.1978, 0.4954, 0.5046



16.1978, 0.0707, 0.1902



16.1978, 0.1038, 0.1129

Sweetspot

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



16.2003, 0.6353, 0.3273



56.7152, 0.3765, 0.3246



19.3329, 0.3040, 0.1449



11.1689, 0.3893, 0.3239



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.



16.2003, 0.6353, 0.3273



21.2936, 0.6358, 0.3276



24.8953, 0.5623, 0.3918



13.7133, 0.3283, 0.3277



9.2465, 0.6337, 0.3264



0.6455, 0.6156, 0.3165

Inverse Universe

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



16.2003, 0.6353, 0.3273



21.2936, 0.6358, 0.3276



20.9498, 0.1830, 0.1786



13.7133, 0.3283, 0.3277



9.2465, 0.6337, 0.3264



0.6455, 0.6156, 0.3165

Previews

White Background



This preview shows how the Yxy color 16.1978, 0.6353, 0.3273 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 16.1978, 0.6353, 0.3273 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 16.1978, 0.6353, 0.3273

Background



This preview shows how black text looks on a background with the Yxy color 16.1978, 0.6353, 0.3273.



This preview shows how white text looks on a background with the Yxy color 16.1978, 0.6353, 0.3273.

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

16.1978, 0.6353, 0.3273

Protanopia

16.7393, 0.4237, 0.4664

Deuteranopia

16.6544, 0.4705, 0.4646



Tritanopia

16.3836, 0.6339, 0.3349

Trichromacy



Original Color

16.1978, 0.6353, 0.3273

Protanomaly

12.7322, 0.5401, 0.3846

Deuteranomaly

13.2659, 0.5677, 0.3840

Tritanomaly

16.3064, 0.6349, 0.3316

Monochromacy



Original Color

16.1978, 0.6353, 0.3273

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

6.4587, 0.4995, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1978, 0.6353, 0.3273 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(226, 0, 13)` looks like.

```
.text, #text, p{  
  color:rgb(226, 0, 13)  
}
```

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(226, 0, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 0, 13) }
```

Border

The CSS property to change the border of an element to Yxy 16.1978, 0.6353, 0.3273 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(226, 0, 13) }
```

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

```
.border{ border-color:rgb(226, 0, 13) }
```

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

Here you see how a box with a 4 pixel rgb(226, 0, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 0, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 0, 13);  
box-shadow:4px 4px 4px 4px rgb(226, 0, 13)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.1978, 0.6353, 0.3273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 0, 13) }
```

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

```
.background{ background-color: rgb(226, 0,  
13) }
```

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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