

Converting Colors

$Y_{xy}(16.3937, 0.5700, 0.2914)$

Have a look what the booklet for
Yxy(16.3937, 0.5700, 0.2914)
contains.

Yxy(16.3283, 0.5700, 0.2914)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.3283, 0.5700, 0.2914)

Conversions

Conversions Part 1

Format	Color
Hex	E00049
RGB	224, 0, 73
RGB Percent	88%, 0%, 29%
CMY	0.1216, 0.9994, 0.7138
CMYK	0.00, 1.00, 0.67, 0.12
HSL	340°, 100%, 44%
HSV	340°, 100%, 88%
XYZ	31.9394, 16.3283, 7.7663
YIQ	75.2980, 110.0710, 70.1910

Conversions

Conversions Part 2

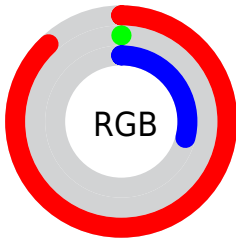
Format	Color
RYB	224, 0, 73
Decimal	14680137
CIELab	47.40, 74.33, 26.37
CIELCh	47, 78.869, 19.534
Yxy	16.3283, 0.5700, 0.2914
Android (android.graphics.Color)	4292870217 (0xFFE00049)
YUV	75.2980, -1.1329, 130.4117
Hunter-Lab	40.4083, 70.3748, 16.8905

Details

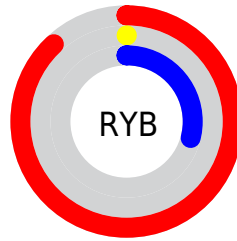
The Yxy color **16.3283, 0.5700, 0.2914** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **55.5454, 0.2556, 0.4402**, and the grayscale version is **7.0964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1226, 0.4848, 0.3015**, and **7.5673, 0.6085, 0.3126** is the 20% darker color. If you saturate the color by 10%, you get **16.3244, 0.5702, 0.2915**, and if you desaturate by 10%, it is **17.1466, 0.5397, 0.2821**.

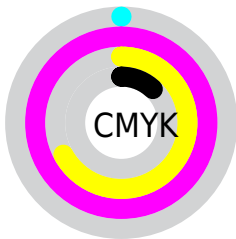
Distribution



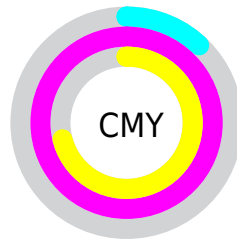
- Red (88%)
- Green (0%)
- Blue (29%)



- Red (88%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (12%)



- Cyan (12%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3283, 0.5700, 0.2914 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 16.3283, 0.5700, 0.2914 by changing the saturation by 10% instead.


 16.3283, 0.5700,
0.2914


 16.3283, 0.5700,
0.2914


231.2712, 0.4217,
0.3223


 9.7568, 0.6119,
0.2781


 37.1672, 0.5119,
0.3064


 5.2380, 0.6668,
0.2571


 52.2034, 0.4912,
0.3109


 2.3876, 0.7497,
0.2263

 70.8299, 0.4743,
0.3141

 0.8195, 0.8331,
0.1669

 93.4311, 0.4602,
0.3166

 0.0000, 1.0000,
0.0000

 120.3915, 0.4483,
0.3185

 0.0000, 0.0000,
0.0000

 152.0954, 0.4381,

0.3201

188.9271, 0.4293,
0.3213

■ 16.3283, 0.5700,
0.2914

■ 16.3283, 0.5700,
0.2914

■ 16.3244, 0.5702,
0.2915

■ 17.1466, 0.5397,
0.2821

■ 18.7020, 0.5054,
0.2770

■ 21.2174, 0.4700,
0.2766

■ 24.8214, 0.4363,
0.2803

■ 29.6226, 0.4059,
0.2868

■ 35.7161, 0.3798,
0.2948

■ 43.1876, 0.3578,
0.3036

■ 52.1151, 0.3396,
0.3124

■ 62.5711, 0.3248,
0.3210

Harmonies

Analogous

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



16.3283, 0.4385, 0.2180



16.3283, 0.5700, 0.2914



16.3283, 0.5912, 0.3716

Triad

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



16.3283, 0.5700, 0.2914



16.3283, 0.2797, 0.6190



16.3283, 0.1116, 0.1380

Complementary

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



16.3283, 0.5700, 0.2914



55.5454, 0.2556, 0.4402

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.



16.3283, 0.0918, 0.1800



16.3283, 0.5700, 0.2914



16.3283, 0.1692, 0.4846

Square

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



16.3283, 0.5700, 0.2914



16.3283, 0.4046, 0.5771



16.3283, 0.1063, 0.2899



16.3283, 0.1690, 0.1349

Rectangle

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



16.3283, 0.5700, 0.2914



16.3283, 0.5510, 0.4344



16.3283, 0.1063, 0.2899



16.3283, 0.1013, 0.1467

Sweetspot

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



16.3293, 0.5700, 0.2914



57.6303, 0.3584, 0.3033



11.8098, 0.2374, 0.1082



11.3793, 0.3672, 0.2996



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.



16.3293, 0.5700, 0.2914



21.8838, 0.5720, 0.2925



17.1978, 0.6248, 0.3420



13.7737, 0.3241, 0.3214



9.5220, 0.5662, 0.2893



0.6761, 0.5225, 0.2652

Inverse Universe

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



16.3293, 0.5700, 0.2914



21.8838, 0.5720, 0.2925



40.7882, 0.2096, 0.2743



13.7737, 0.3241, 0.3214



9.5220, 0.5662, 0.2893



0.6761, 0.5225, 0.2652

Previews

White Background



This preview shows how the Yxy color 16.3283, 0.5700, 0.2914 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 16.3283, 0.5700, 0.2914 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 16.3283, 0.5700, 0.2914

Background



This preview shows how black text looks on a background with the Yxy color 16.3283, 0.5700, 0.2914.



This preview shows how white text looks on a background with the Yxy color 16.3283, 0.5700, 0.2914.

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

16.3283, 0.5700, 0.2914

Protanopia

16.9689, 0.3254, 0.3409

Deuteranopia

16.8716, 0.4180, 0.4104



Tritanopia

16.6867, 0.6182, 0.3320

Trichromacy



Original Color

16.3283, 0.5700, 0.2914



Protanomaly

12.7594, 0.4225, 0.2938



Deuteranomaly

13.3194, 0.4973, 0.3323



Tritanomaly

16.3209, 0.6082, 0.3194

Monochromacy



Original Color

16.3283, 0.5700, 0.2914



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

7.2754, 0.4380, 0.2808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3283, 0.5700, 0.2914 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, 73)` looks like.

```
.text, #text, p{  
  color:rgb(224, 0, 73)  
}
```

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, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 73) }
```

Border

The CSS property to change the border of an element to Yxy 16.3283, 0.5700, 0.2914 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, 73) }
```

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

```
.border{ border-color:rgb(224, 0, 73) }
```

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, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 73);  
box-shadow:4px 4px 4px 4px rgb(224, 0, 73)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.3283, 0.5700, 0.2914 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, 73) }
```

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

```
.background{ background-color: rgb(224, 0,  
73) }
```

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