

Converting Colors

$Y_{xy}(12.6329, 0.6082, 0.2484)$

Have a look what the booklet for
Yxy(12.6329, 0.6082, 0.2484)
contains.

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Color

Yxy(16.8253, 0.5701, 0.2914)

Conversions

Conversions Part 1

Format	Color
Hex	E3004A
RGB	227, 0, 74
RGB Percent	89%, 0%, 29%
CMY	0.1098, 1.0000, 0.7097
CMYK	0.00, 1.00, 0.67, 0.11
HSL	340°, 100%, 45%
HSV	340°, 100%, 89%
XYZ	32.9173, 16.8253, 7.9969
YIQ	76.3090, 111.5380, 71.1380

Conversions

Conversions Part 2

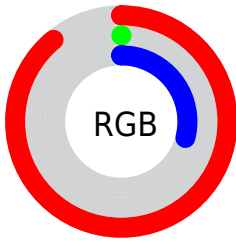
Format	Color
R_{YB}	227, 0, 74
Decimal	14876746
CIE Lab	48.04, 75.10, 26.66
CIE LCh	48, 79.688, 19.543
Yxy	16.8253, 0.5701, 0.2914
Android (android.graphics.Color)	4293066826 (0xFFE3004A)
YUV	76.3090, -1.1383, 132.1560
Hunter-Lab	41.0187, 71.4629, 17.1540

Details

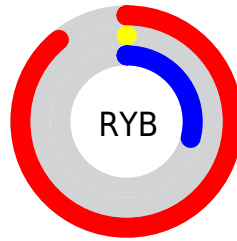
The Yxy color **16.8253, 0.5701, 0.2914** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **57.2412, 0.2558, 0.4407**, and the grayscale version is **7.2746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3194, 0.4829, 0.3014**, and **7.8855, 0.6081, 0.3123** is the 20% darker color. If you saturate the color by 10%, you get **16.8269, 0.5701, 0.2914**, and if you desaturate by 10%, it is **17.6599, 0.5398, 0.2821**.

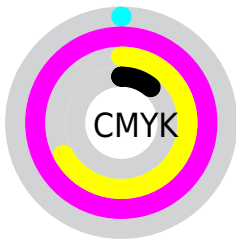
Distribution



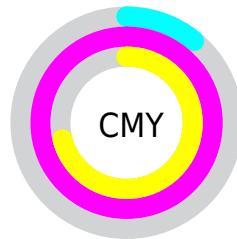
- Red (89%)
- Green (0%)
- Blue (29%)



- Red (89%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8253, 0.5701, 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 16.8253, 0.5701, 0.2914 by changing the saturation by 10% instead.


 16.8253, 0.5701,
0.2914


 16.8253, 0.5701,
0.2914


234.1636, 0.4224,
0.3222


 10.1100, 0.6115,
0.2782


 38.0252, 0.5124,
0.3063


 5.4720, 0.6657,
0.2577

 53.2785, 0.4918,
0.3108

 2.5268, 0.7452,
0.2269

 72.1467, 0.4749,
0.3140

 0.8900, 0.8298,
0.1702

 95.0141, 0.4609,
0.3165

 0.0000, 1.0000,
0.0000

 122.2651, 0.4490,
0.3185

 0.0000, 0.0000,
0.0000

 154.2841, 0.4388,

0.3200

191.4554, 0.4300,
0.3212

■ 16.8253, 0.5701,
0.2914

■ 16.8253, 0.5701,
0.2914

■ 16.8269, 0.5701,
0.2914

■ 17.6599, 0.5398,
0.2821

■ 19.2519, 0.5057,
0.2768

■ 21.8329, 0.4703,
0.2765

■ 25.5361, 0.4365,
0.2801

■ 30.4738, 0.4061,
0.2866

■ 36.7445, 0.3799,
0.2946

■ 44.4366, 0.3579,
0.3034

■ 53.6311, 0.3397,
0.3123

■ 64.4025, 0.3249,
0.3209

Harmonies

Analogous

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



16.8253, 0.4386, 0.2180



16.8253, 0.5701, 0.2914



16.8253, 0.5913, 0.3717

Triad

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



16.8253, 0.5701, 0.2914



16.8253, 0.2796, 0.6191



16.8253, 0.1115, 0.1379

Complementary

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



16.8253, 0.5701, 0.2914



57.2412, 0.2558, 0.4407

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.



16.8253, 0.0918, 0.1799



16.8253, 0.5701, 0.2914



16.8253, 0.1691, 0.4846

Square

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



16.8253, 0.5701, 0.2914



16.8253, 0.4044, 0.5770



16.8253, 0.1063, 0.2899



16.8253, 0.1690, 0.1348

Rectangle

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



16.8253, 0.5701, 0.2914



16.8253, 0.5509, 0.4344



16.8253, 0.1063, 0.2899



16.8253, 0.1013, 0.1467

Sweetspot

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



16.8269, 0.5701, 0.2914



57.6333, 0.3583, 0.3033



12.1582, 0.2373, 0.1081



11.3800, 0.3672, 0.2995



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.



16.8269, 0.5701, 0.2914



21.8870, 0.5717, 0.2923



17.7078, 0.6250, 0.3419



14.4451, 0.3241, 0.3214



9.8319, 0.5662, 0.2892



0.7431, 0.5249, 0.2665

Inverse Universe

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



16.8269, 0.5701, 0.2914



21.8870, 0.5717, 0.2923



42.0160, 0.2095, 0.2742



14.4451, 0.3241, 0.3214



9.8319, 0.5662, 0.2892



0.7431, 0.5249, 0.2665

Previews

White Background



This preview shows how the Yxy color 16.8253, 0.5701, 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 16.8253, 0.5701, 0.2914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

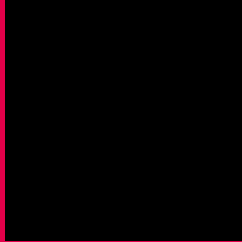
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8253, 0.5701, 0.2914

Background



This preview shows how black text looks on a background with the Yxy color 16.8253, 0.5701, 0.2914.



This preview shows how white text looks on a background with the Yxy color 16.8253, 0.5701, 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

16.8253, 0.5701, 0.2914

Protanopia

17.3587, 0.3266, 0.3408

Deuteranopia

17.4898, 0.4176, 0.4111



Tritanopia

17.1719, 0.6182, 0.3316

Trichromacy



Original Color

16.8253, 0.5701, 0.2914



Protanomaly

12.9805, 0.4237, 0.2927



Deuteranomaly

13.8081, 0.4960, 0.3336



Tritanomaly

16.8089, 0.6080, 0.3191

Monochromacy



Original Color

16.8253, 0.5701, 0.2914



Achromatopsia

7.2272, 0.3127, 0.3290



Achromatomaly

7.4472, 0.4392, 0.2798

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8253, 0.5701, 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(227, 0, 74)` looks like.

```
.text, #text, p{  
  color:rgb(227, 0, 74)  
}
```

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(227, 0, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 74) }
```

Border

The CSS property to change the border of an element to Yxy 16.8253, 0.5701, 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(227, 0, 74) }
```

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

```
.border{ border-color:rgb(227, 0, 74) }
```

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

Here you see how a box with a 4 pixel rgb(227, 0, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 74);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 74)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.8253, 0.5701, 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(227, 0, 74) }
```

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

```
.background{ background-color: rgb(227, 0,  
74) }
```

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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