

Converting Colors

$Y_{xy}(16.8505, 0.5661, 0.2892)$

Have a look what the booklet for
Yxy(16.8505, 0.5661, 0.2892)
contains.

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Color

Yxy(16.8527, 0.5668, 0.2896)

Conversions

Conversions Part 1

Format	Color
Hex	E3004C
RGB	227, 0, 76
RGB Percent	89%, 0%, 30%
CMY	0.1098, 0.9999, 0.7019
CMYK	0.00, 1.00, 0.67, 0.11
HSL	340°, 100%, 45%
HSV	340°, 100%, 89%
XYZ	32.9838, 16.8527, 8.3565
YIQ	76.5370, 110.8960, 71.7600

Conversions

Conversions Part 2

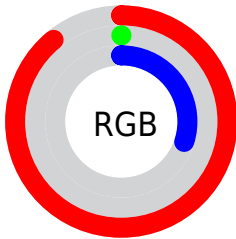
Format	Color
RYB	227, 0, 76
Decimal	14876748
CIELab	48.07, 75.18, 25.48
CIElCh	48, 79.383, 18.721
Yxy	16.8527, 0.5668, 0.2896
Android (android.graphics.Color)	4293066828 (0xFFE3004C)
YUV	76.5370, -0.2647, 131.9561
Hunter-Lab	41.0520, 71.5771, 16.6674

Details

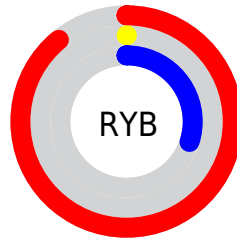
The Yxy color **16.8527, 0.5668, 0.2896** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **57.1729, 0.2566, 0.4439**, and the grayscale version is **7.3207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3695, 0.4801, 0.2994**, and **7.8963, 0.6048, 0.3105** is the 20% darker color. If you saturate the color by 10%, you get **16.8527, 0.5668, 0.2896**, and if you desaturate by 10%, it is **17.6907, 0.5367, 0.2803**.

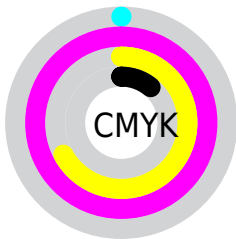
Distribution



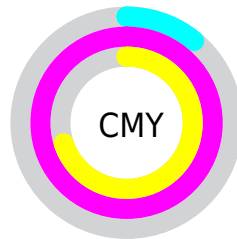
- Red (89%)
- Green (0%)
- Blue (30%)



- Red (89%)
- Yellow (0%)
- Blue (30%)



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




- Cyan (11%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8527, 0.5668, 0.2896 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 16.8527, 0.5668, 0.2896 by changing the saturation by 10% instead.


 16.8527, 0.5668,
0.2896


 16.8527, 0.5668,
0.2896


234.3221, 0.4208,
0.3209


 10.1295, 0.6080,
0.2765


 38.0723, 0.5097,
0.3046


 5.4849, 0.6620,
0.2561

 53.3376, 0.4894,
0.3091

 2.5345, 0.7396,
0.2251

 72.2190, 0.4727,
0.3124

 0.8939, 0.8298,
0.1702

 95.1010, 0.4588,
0.3150

 0.0000, 1.0000,
0.0000

 122.3678, 0.4471,
0.3170

 0.0000, 0.0000,
0.0000

 154.4041, 0.4370,

0.3186

191.5940, 0.4284,
0.3199

■ 16.8527, 0.5668,
0.2896

■ 17.6907, 0.5367,
0.2803

■ 19.2863, 0.5028,
0.2751

■ 21.8699, 0.4680,
0.2749

■ 25.5746, 0.4347,
0.2788

■ 30.5123, 0.4048,
0.2854

■ 36.7816, 0.3790,
0.2938

■ 44.4708, 0.3573,
0.3028

■ 53.6606, 0.3394,
0.3119

■ 64.4257, 0.3247,
0.3207

Harmonies

Analogous

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



16.8527, 0.4336, 0.2166



16.8527, 0.5668, 0.2896



16.8527, 0.5913, 0.3695

Triad

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



16.8527, 0.5668, 0.2896



16.8527, 0.2834, 0.6187



16.8527, 0.1111, 0.1390

Complementary

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



16.8527, 0.5668, 0.2896



57.1729, 0.2566, 0.4439

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.



16.8527, 0.0923, 0.1824



16.8527, 0.5668, 0.2896



16.8527, 0.1723, 0.4894

Square

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



16.8527, 0.5668, 0.2896



16.8527, 0.4079, 0.5738



16.8527, 0.1079, 0.2945



16.8527, 0.1672, 0.1350

Rectangle

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



16.8527, 0.5668, 0.2896



16.8527, 0.5524, 0.4316



16.8527, 0.1079, 0.2945



16.8527, 0.1012, 0.1481

Sweetspot

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



16.8538, 0.5668, 0.2896



57.6652, 0.3577, 0.3026



11.8019, 0.2334, 0.1060



11.3874, 0.3665, 0.2987



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.



16.8538, 0.5668, 0.2896



21.9219, 0.5684, 0.2905



17.4795, 0.6274, 0.3400



14.4472, 0.3240, 0.3212



9.8480, 0.5629, 0.2875



0.7445, 0.5218, 0.2648

Inverse Universe

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



16.8538, 0.5668, 0.2896



21.9219, 0.5684, 0.2905



43.6663, 0.2111, 0.2800



14.4472, 0.3240, 0.3212



9.8480, 0.5629, 0.2875



0.7445, 0.5218, 0.2648

Previews

White Background



This preview shows how the Yxy color 16.8527, 0.5668, 0.2896 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 16.8527, 0.5668, 0.2896 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 16.8527, 0.5668, 0.2896

Background



This preview shows how black text looks on a background with the Yxy color 16.8527, 0.5668, 0.2896.



This preview shows how white text looks on a background with the Yxy color 16.8527, 0.5668, 0.2896.

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

16.8527, 0.5668, 0.2896

Protanopia

17.3533, 0.3216, 0.3349

Deuteranopia

17.4249, 0.4137, 0.4084



Tritanopia

17.2279, 0.6169, 0.3316

Trichromacy



Original Color

16.8527, 0.5668, 0.2896



Protanomaly

12.9350, 0.4165, 0.2875



Deuteranomaly

13.7193, 0.4914, 0.3309



Tritanomaly

16.8585, 0.6055, 0.3181

Monochromacy



Original Color

16.8527, 0.5668, 0.2896



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.6380, 0.4354, 0.2782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8527, 0.5668, 0.2896 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, 76)` looks like.

```
.text, #text, p{  
  color:rgb(227, 0, 76)  
}
```

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, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 76) }
```

Border

The CSS property to change the border of an element to Yxy 16.8527, 0.5668, 0.2896 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, 76) }
```

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

```
.border{ border-color:rgb(227, 0, 76) }
```

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, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 76);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 76)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.8527, 0.5668, 0.2896 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, 76) }
```

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

```
.background{ background-color: rgb(227, 0,  
76) }
```

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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