

Converting Colors

$Yxy(17.7068, 0.5675, 0.2900)$

Have a look what the booklet for
Yxy(17.7068, 0.5675, 0.2900)
contains.

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Color

Yxy(17.6916, 0.5682, 0.2904)

Conversions

Conversions Part 1

Format	Color
Hex	E8004D
RGB	232, 0, 77
RGB Percent	91%, 0%, 30%
CMY	0.0902, 0.9994, 0.6980
CMYK	0.00, 1.00, 0.67, 0.09
HSL	340°, 100%, 46%
HSV	340°, 100%, 91%
XYZ	34.6156, 17.6916, 8.6143
YIQ	78.1460, 113.5550, 73.1310

Conversions

Conversions Part 2

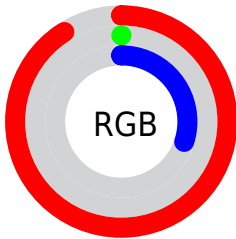
Format	Color
RYB	232, 0, 77
Decimal	15204429
CIELab	49.12, 76.38, 26.42
CIELCh	49, 80.816, 19.080
Yxy	17.6916, 0.5682, 0.2904
Android (android.graphics.Color)	4293394509 (0xFFE8004D)
YUV	78.1460, -0.5650, 134.9300
Hunter-Lab	42.0614, 73.2941, 17.3002

Details

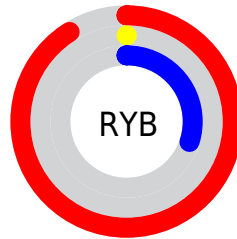
The Yxy color **17.6916, 0.5682, 0.2904** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **60.0770, 0.2563, 0.4428**, and the grayscale version is **7.6488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5951, 0.4769, 0.2983**, and **8.4403, 0.6053, 0.3108** is the 20% darker color. If you saturate the color by 10%, you get **17.6882, 0.5684, 0.2905**, and if you desaturate by 10%, it is **18.5619, 0.5380, 0.2810**.

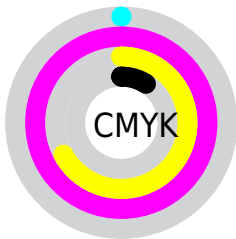
Distribution



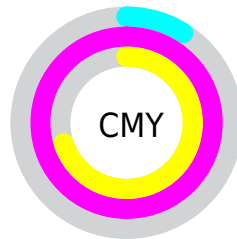
- Red (91%)
- Green (0%)
- Blue (30%)



- Red (91%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.6916, 0.5682, 0.2904 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 17.6916, 0.5682, 0.2904 by changing the saturation by 10% instead.


 17.6916, 0.5682,
0.2904


 17.6916, 0.5682,
0.2904


239.1270, 0.4225,
0.3214


 10.7288, 0.6087,
0.2775


 39.5111, 0.5116,
0.3052


 5.8848, 0.6615,
0.2577

 55.1366, 0.4913,
0.3096


 2.7751, 0.7354,
0.2272

 74.4185, 0.4746,
0.3129

 1.0155, 0.8250,
0.1750

 97.7411, 0.4607,
0.3155

 0.0000, 1.0000,
0.0000

 125.4889, 0.4489,
0.3175

 0.0000, 0.0000,
0.0000

 158.0462, 0.4389,

0.3190

195.7974, 0.4301,
0.3203

■ 17.6916, 0.5682,
0.2904

■ 17.6916, 0.5682,
0.2904

■ 17.6882, 0.5684,
0.2905

■ 18.5619, 0.5380,
0.2810

■ 20.2334, 0.5041,
0.2758

■ 22.9448, 0.4689,
0.2755

■ 26.8367, 0.4354,
0.2793

■ 32.0273, 0.4053,
0.2859

■ 38.6204, 0.3793,
0.2941

■ 46.7093, 0.3575,
0.3030

■ 56.3791, 0.3395,
0.3121

■ 67.7085, 0.3247,
0.3208

Harmonies

Analogous

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



17.6916, 0.4357, 0.2172



17.6916, 0.5682, 0.2904



17.6916, 0.5913, 0.3705

Triad

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



17.6916, 0.5682, 0.2904



17.6916, 0.2817, 0.6188



17.6916, 0.1113, 0.1386

Complementary

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



17.6916, 0.5682, 0.2904



60.0770, 0.2563, 0.4428

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.



17.6916, 0.0921, 0.1813



17.6916, 0.5682, 0.2904



17.6916, 0.1709, 0.4873

Square

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



17.6916, 0.5682, 0.2904



17.6916, 0.4062, 0.5749



17.6916, 0.1072, 0.2925



17.6916, 0.1680, 0.1350

Rectangle

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



17.6916, 0.5682, 0.2904



17.6916, 0.5516, 0.4327



17.6916, 0.1072, 0.2925



17.6916, 0.1013, 0.1475

Sweetspot

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



17.6927, 0.5682, 0.2904



57.6533, 0.3579, 0.3028



12.7680, 0.2373, 0.1081



11.3846, 0.3667, 0.2990



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.



17.6927, 0.5682, 0.2904



21.9087, 0.5697, 0.2912



18.5908, 0.6251, 0.3418



14.4464, 0.3240, 0.3212



9.8419, 0.5641, 0.2881



0.7440, 0.5230, 0.2655

Inverse Universe

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



17.6927, 0.5682, 0.2904



21.9087, 0.5697, 0.2912



44.1195, 0.2095, 0.2742



14.4464, 0.3240, 0.3212



9.8419, 0.5641, 0.2881



0.7440, 0.5230, 0.2655

Previews

White Background



This preview shows how the Yxy color 17.6916, 0.5682, 0.2904 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 17.6916, 0.5682, 0.2904 looks on a black 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

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

Yxy 17.6916, 0.5682, 0.2904

Background



This preview shows how black text looks on a background with the Yxy color 17.6916, 0.5682, 0.2904.

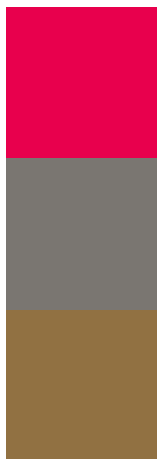


This preview shows how white text looks on a background with the Yxy color 17.6916, 0.5682, 0.2904.

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

17.6916, 0.5682, 0.2904

Protanopia

18.2867, 0.3238, 0.3386

Deuteranopia

18.2233, 0.4174, 0.4097



Tritanopia

18.0480, 0.6180, 0.3315

Trichromacy



Original Color

17.6916, 0.5682, 0.2904



Protanomaly

13.6336, 0.4195, 0.2901



Deuteranomaly

14.4240, 0.4964, 0.3322



Tritanomaly

17.6787, 0.6071, 0.3187

Monochromacy



Original Color

17.6916, 0.5682, 0.2904



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

7.8996, 0.4359, 0.2789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6916, 0.5682, 0.2904 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(232, 0, 77)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 77)  
}
```

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(232, 0, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 77) }
```

Border

The CSS property to change the border of an element to Yxy 17.6916, 0.5682, 0.2904 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(232, 0, 77) }
```

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

```
.border{ border-color:rgb(232, 0, 77) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 77);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 77)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.6916, 0.5682, 0.2904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 77) }
```

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

```
.background{ background-color: rgb(232, 0,  
77) }
```

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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