

Converting Colors

$Y_{xy}(17.8322, 0.5535, 0.2823)$

Have a look what the booklet for
Yxy(17.8322, 0.5535, 0.2823)
contains.

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Color

Yxy(17.8277, 0.5532, 0.2821)

Conversions

Conversions Part 1

Format	Color
Hex	E80056
RGB	232, 0, 86
RGB Percent	91%, 0%, 34%
CMY	0.0902, 1.0000, 0.6626
CMYK	0.00, 1.00, 0.63, 0.09
HSL	338°, 100%, 45%
HSV	338°, 100%, 91%
XYZ	34.9602, 17.8277, 10.4084
YIQ	79.1720, 110.6660, 75.9300

Conversions

Conversions Part 2

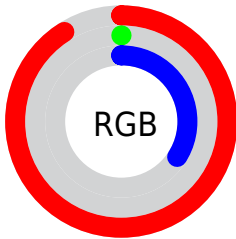
Format	Color
R_{YB}	232, 0, 86
Decimal	15204438
CIE _{Lab}	49.29, 76.84, 21.12
CIE _{LCh}	49, 79.688, 15.366
Yxy	17.8277, 0.5532, 0.2821
Android (android.graphics.Color)	4293394518 (0xFFE80056)
YUV	79.1720, 3.3662, 134.0302
Hunter-Lab	42.2229, 73.9068, 14.9403

Details

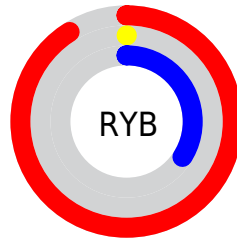
The Yxy color **17.8277, 0.5532, 0.2821** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **59.7898, 0.2603, 0.4572**, and the grayscale version is **7.8324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8380, 0.4645, 0.2892**, and **8.4920, 0.5913, 0.3031** is the 20% darker color. If you saturate the color by 10%, you get **17.8286, 0.5532, 0.2821**, and if you desaturate by 10%, it is **18.7096, 0.5239, 0.2729**.

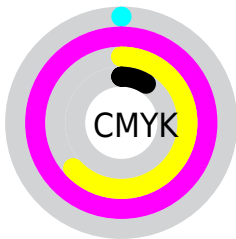
Distribution



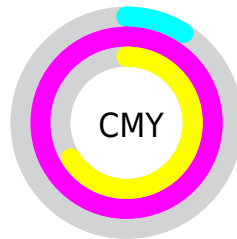
- Red (91%)
- Green (0%)
- Blue (34%)



- Red (91%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (9%)




- Cyan (9%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8277, 0.5532, 0.2821 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 17.8277, 0.5532, 0.2821 by changing the saturation by 10% instead.


 17.8277, 0.5532,
0.2821


 17.8277, 0.5532,
0.2821


239.8981, 0.4157,
0.3157


 10.8264, 0.5922,
0.2694


 39.7435, 0.4994,
0.2973


 5.9502, 0.6439,
0.2503

 55.4268, 0.4803,
0.3021

 2.8148, 0.7135,
0.2201

 74.7728, 0.4646,
0.3057

 1.0358, 0.8249,
0.1751

 98.1660, 0.4515,
0.3086

 0.0000, 1.0000,
0.0000

 125.9907, 0.4405,
0.3109

 0.0000, 0.0000,
0.0000

 158.6313, 0.4310,

0.3128

196.4723, 0.4228,
0.3144

■ 17.8277, 0.5532,
0.2821

■ 17.8277, 0.5532,
0.2821

■ 17.8286, 0.5532,
0.2821

■ 18.7096, 0.5239,
0.2729

■ 20.3852, 0.4917,
0.2682

■ 23.0945, 0.4589,
0.2686

■ 26.9777, 0.4278,
0.2732

■ 32.1526, 0.3997,
0.2807

■ 38.7228, 0.3755,
0.2900

■ 46.7810, 0.3550,
0.3000

■ 56.4121, 0.3381,
0.3100

■ 67.6945, 0.3241,
0.3198

Harmonies

Analogous

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



17.8277, 0.4138, 0.2106



17.8277, 0.5532, 0.2821



17.8277, 0.5911, 0.3609

Triad

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



17.8277, 0.5532, 0.2821



17.8277, 0.2983, 0.6165



17.8277, 0.1091, 0.1435

Complementary

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



17.8277, 0.5532, 0.2821



59.7898, 0.2603, 0.4572

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.



17.8277, 0.0941, 0.1926



17.8277, 0.5532, 0.2821



17.8277, 0.1850, 0.5085

Square

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



17.8277, 0.5532, 0.2821



17.8277, 0.4216, 0.5605



17.8277, 0.1145, 0.3136



17.8277, 0.1603, 0.1357

Rectangle

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



17.8277, 0.5532, 0.2821



17.8277, 0.5587, 0.4206



17.8277, 0.1145, 0.3136



17.8277, 0.1005, 0.1542

Sweetspot

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



17.8288, 0.5532, 0.2821



57.7985, 0.3553, 0.2998



11.6725, 0.2256, 0.1017



11.4185, 0.3636, 0.2955



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.



17.8288, 0.5532, 0.2821



22.0781, 0.5545, 0.2828



17.9435, 0.6317, 0.3366



14.4559, 0.3234, 0.3203



9.9198, 0.5490, 0.2798



0.7505, 0.5090, 0.2578

Inverse Universe

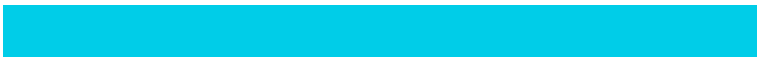
The Inverse Universe completely reimagines the original color for something new.



17.8288, 0.5532, 0.2821



22.0781, 0.5545, 0.2828



49.4588, 0.2142, 0.2912



14.4559, 0.3234, 0.3203



9.9198, 0.5490, 0.2798



0.7505, 0.5090, 0.2578

Previews

White Background



This preview shows how the Yxy color 17.8277, 0.5532, 0.2821 looks on a white background.

Color Contrast Check

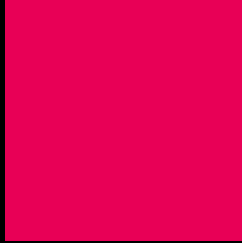
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8277, 0.5532, 0.2821 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 17.8277, 0.5532, 0.2821

Background



This preview shows how black text looks on a background with the Yxy color 17.8277, 0.5532, 0.2821.



This preview shows how white text looks on a background with the Yxy color 17.8277, 0.5532, 0.2821.

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

17.8277, 0.5532, 0.2821

Protanopia

18.3852, 0.3047, 0.3138

Deuteranopia

18.3961, 0.4015, 0.3960



Tritanopia

18.1293, 0.6121, 0.3313

Trichromacy



Original Color

17.8277, 0.5532, 0.2821



Protanomaly

13.6534, 0.3964, 0.2722



Deuteranomaly

14.4582, 0.4757, 0.3198



Tritanomaly

17.8107, 0.5985, 0.3148

Monochromacy



Original Color

17.8277, 0.5532, 0.2821



Achromatopsia

7.8187, 0.3127, 0.3290



Achromatomaly

8.0413, 0.4281, 0.2720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8277, 0.5532, 0.2821 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 86) }
```

Border

The CSS property to change the border of an element to Yxy 17.8277, 0.5532, 0.2821 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, 86) }
```

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

```
.border{ border-color:rgb(232, 0, 86) }
```

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, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 86);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 86)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.8277, 0.5532, 0.2821 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, 86) }
```

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

```
.background{ background-color: rgb(232, 0,  
86) }
```

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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