

Converting Colors

$Y_{xy}(17.6395, 0.5426, 0.2838)$

Have a look what the booklet for
Yxy(17.6395, 0.5426, 0.2838)
contains.

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Color

Yxy(17.6483, 0.5421, 0.2835)

Conversions

Conversions Part 1

Format	Color
Hex	E31758
RGB	227, 23, 88
RGB Percent	89%, 9%, 35%
CMY	0.1098, 0.9097, 0.6550
CMYK	0.00, 0.90, 0.61, 0.11
HSL	341°, 82%, 49%
HSV	341°, 90%, 89%
XYZ	33.7465, 17.6483, 10.8567
YIQ	91.4060, 100.7190, 63.4630

Conversions

Conversions Part 2

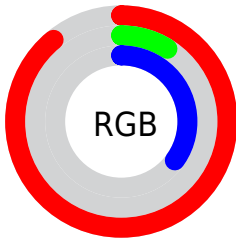
Format	Color
R_{YB}	227, 23, 88
Decimal	14882648
CIE _{Lab}	49.07, 73.59, 19.44
CIE _{LCh}	49, 76.117, 14.799
Yxy	17.6483, 0.5421, 0.2835
Android (android.graphics.Color)	4293072728 (0xFFE31758)
YUV	91.4060, -1.6792, 118.9159
Hunter-Lab	42.0099, 69.8718, 14.0845

Details

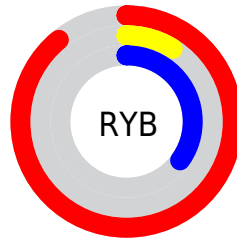
The Yxy color **17.6483, 0.5421, 0.2835** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **57.7321, 0.2533, 0.4257**, and the grayscale version is **10.5488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8015, 0.4595, 0.2915**, and **8.0669, 0.5870, 0.3007** is the 20% darker color. If you saturate the color by 10%, you get **16.8129, 0.5725, 0.2928**, and if you desaturate by 10%, it is **19.2523, 0.5076, 0.2783**.

Distribution



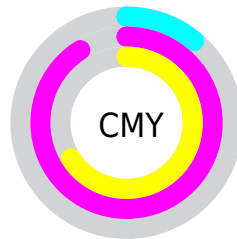
- Red (89%)
- Green (9%)
- Blue (35%)



- Red (89%)
- Yellow (9%)
- Blue (35%)



- Cyan (0%)
- Magenta (90%)
- Yellow (61%)
- Black (11%)





- Cyan (11%)
- Magenta (91%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6483, 0.5421, 0.2835 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 17.6483, 0.5421, 0.2835 by changing the saturation by 10% instead.


 17.6483, 0.5421,
0.2835


 17.6483, 0.5421,
0.2835


238.8811, 0.4104,
0.3156


 10.6978, 0.5800,
0.2714


 39.4371, 0.4903,
0.2980

 5.8640, 0.6307,
0.2531

 55.0442, 0.4719,
0.3025

 2.7626, 0.6999,
0.2240

 74.3056, 0.4570,
0.3060

 1.0091, 0.8187,
0.1813

 97.6057, 0.4445,
0.3088

 0.0000, 1.0000,
0.0000

 125.3289, 0.4339,
0.3110

 0.0000, 0.0000,
0.0000

 157.8597, 0.4249,

0.3128

195.5823, 0.4172,
0.3143

■ 17.6483, 0.5421,
0.2835

■ 17.6483, 0.5421,
0.2835

■ 16.8129, 0.5725,
0.2928

■ 19.2523, 0.5076,
0.2783

■ 16.8030, 0.5729,
0.2930

■ 21.8473, 0.4718,
0.2778

■ 25.5673, 0.4376,
0.2814

■ 30.5245, 0.4069,
0.2877

■ 36.8172, 0.3804,
0.2956

■ 44.5340, 0.3581,
0.3042

■ 53.7556, 0.3398,
0.3128

■ 64.5567, 0.3248,
0.3212

■ 77.0071, 0.3126,
0.3291

Harmonies

Analogous

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



17.6483, 0.4073, 0.2132



17.6483, 0.5421, 0.2835



17.6483, 0.5826, 0.3614

Triad

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



17.6483, 0.5421, 0.2835



17.6483, 0.3039, 0.6044



17.6483, 0.1138, 0.1494

Complementary

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



17.6483, 0.5421, 0.2835



57.7321, 0.2533, 0.4257

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.



17.6483, 0.0997, 0.1993



17.6483, 0.5421, 0.2835



17.6483, 0.1923, 0.5032

Square

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



17.6483, 0.5421, 0.2835



17.6483, 0.4234, 0.5526



17.6483, 0.1215, 0.3185



17.6483, 0.1635, 0.1407

Rectangle

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



17.6483, 0.5421, 0.2835



17.6483, 0.5539, 0.4198



17.6483, 0.1215, 0.3185



17.6483, 0.1055, 0.1604

Sweetspot

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



17.6494, 0.5421, 0.2835



60.9988, 0.3529, 0.3065



13.5319, 0.2459, 0.1169



12.2326, 0.3597, 0.3035



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.



17.6494, 0.5421, 0.2835



21.8572, 0.5745, 0.2939



19.3216, 0.6010, 0.3487



14.4433, 0.3243, 0.3215



9.8181, 0.5690, 0.2908



0.7419, 0.5276, 0.2680

Inverse Universe

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



17.6494, 0.5421, 0.2835



21.8572, 0.5745, 0.2939



43.8713, 0.2127, 0.2802



14.4433, 0.3243, 0.3215



9.8181, 0.5690, 0.2908



0.7419, 0.5276, 0.2680

Previews

White Background



This preview shows how the Yxy color 17.6483, 0.5421, 0.2835 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 17.6483, 0.5421, 0.2835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

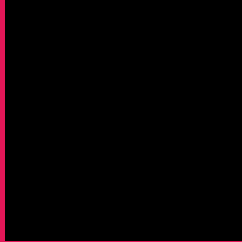
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6483, 0.5421, 0.2835

Background



This preview shows how black text looks on a background with the Yxy color 17.6483, 0.5421, 0.2835.



This preview shows how white text looks on a background with the Yxy color 17.6483, 0.5421, 0.2835.

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

17.6483, 0.5421, 0.2835

Protanopia

18.0368, 0.3012, 0.3099

Deuteranopia

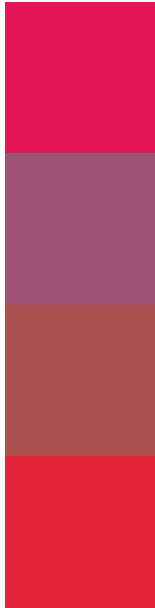
17.8011, 0.3977, 0.3900



Tritanopia

17.6716, 0.6016, 0.3304

Trichromacy



Original Color

17.6483, 0.5421, 0.2835

Protanomaly

14.5469, 0.3849, 0.2803

Deuteranomaly

15.1172, 0.4624, 0.3265

Tritanomaly

17.6082, 0.5852, 0.3154

Monochromacy



Original Color

17.6483, 0.5421, 0.2835

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.2101, 0.4093, 0.2861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6483, 0.5421, 0.2835 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, 23, 88)` looks like.

```
.text, #text, p{  
    color:rgb(227, 23, 88)  
}
```

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, 23, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 23, 88) }
```

Border

The CSS property to change the border of an element to Yxy 17.6483, 0.5421, 0.2835 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, 23, 88) }
```

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

```
.border{ border-color:rgb(227, 23, 88) }
```

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

Here you see how a box with a 4 pixel rgb(227, 23, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 23, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 23, 88);  
box-shadow:4px 4px 4px 4px rgb(227, 23,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6483, 0.5421, 0.2835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 23, 88) }
```

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

```
.background{ background-color: rgb(227, 23,  
88) }
```

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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