

Converting Colors

$Y_{xy}(27.0277, 0.3516, 0.1936)$

Have a look what the booklet for
Yxy(27.0277, 0.3516, 0.1936)
contains.

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Color

Yxy(26.9645, 0.3509, 0.1933)

Conversions

Conversions Part 1

Format	Color
Hex	EE44D2
RGB	238, 68, 210
RGB Percent	93%, 27%, 82%
CMY	0.0668, 0.7331, 0.1766
CMYK	0.00, 0.71, 0.12, 0.07
HSL	310°, 83%, 60%
HSV	310°, 71%, 93%
XYZ	48.9490, 26.9645, 63.5821
YIQ	135.0180, 55.7380, 80.2020

Conversions

Conversions Part 2

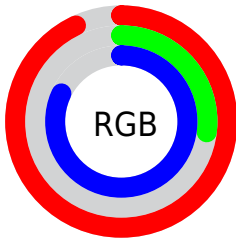
Format	Color
R _Y B	238, 68, 210
Decimal	15615186
CIE Lab	58.94, 77.76, -37.96
CIE LCh	59, 86.527, 333.979
Yxy	26.9645, 0.3509, 0.1933
Android (android.graphics.Color)	4293805266 (0xFFEE44D2)
YUV	135.0180, 36.9661, 90.3152
Hunter-Lab	51.9274, 77.3891, -36.2481

Details

The Yxy color **26.9645, 0.3509, 0.1933** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **63.2067, 0.2929, 0.5280**, and the grayscale version is **24.0907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4453, 0.3183, 0.2103**, and **11.8315, 0.3564, 0.1737** is the 20% darker color. If you saturate the color by 10%, you get **24.4520, 0.3573, 0.1847**, and if you desaturate by 10%, it is **30.6520, 0.3445, 0.2063**.

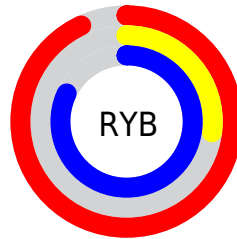
Distribution



Red (93%)

Green (27%)

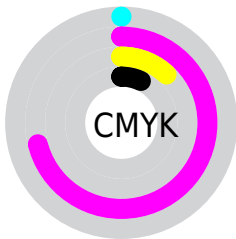
Blue (82%)



Red (93%)

Yellow (27%)

Blue (82%)

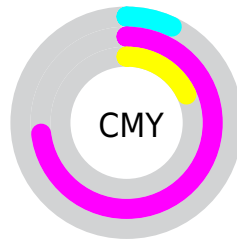


Cyan (0%)

Magenta (71%)

Yellow (12%)

Black (7%)



Cyan (7%)

Magenta (73%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.9645, 0.3509, 0.1933 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 26.9645, 0.3509, 0.1933 by changing the saturation by 10% instead.


 26.9645, 0.3509,
0.1933


 26.9645, 0.3509,
0.1933


287.4852, 0.3342,
0.2575

 17.5466, 0.3543,
0.1787


 54.8269, 0.3454,
0.2156


 10.6249, 0.3581,
0.1608


 74.0401, 0.3432,
0.2243


 5.8152, 0.3625,
0.1386


 97.2873, 0.3412,
0.2318

 2.7331, 0.3669,
0.1107

 124.9527, 0.3395,
0.2383

 0.9940, 0.3704,
0.0762

 157.4208, 0.3379,
0.2440

 0.0000, 0.3829,
0.0000

195.0760, 0.3365,

 0.0000, 0.3496,

0.2490

0.0000

238.3027, 0.3353,
0.2535

■ 0.0000, 0.0000,
0.0000

■ 26.9645, 0.3509,
0.1933

■ 26.9645, 0.3509,
0.1933

■ 24.4520, 0.3573,
0.1847

■ 30.6520, 0.3445,
0.2063

■ 22.9593, 0.3634,
0.1806


■ 35.6366, 0.3381,
0.2228

■ 22.2839, 0.3684,
0.1803

■ 42.0293, 0.3321,
0.2419


■ 49.9284, 0.3266,
0.2627

■ 59.4232, 0.3215,
0.2841

 70.5960, 0.3171,
0.3055

 83.5236, 0.3132,
0.3262

 96.0626, 0.3100,
0.3425

 96.2999, 0.3078,
0.3386

Harmonies

Analogous

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



26.9645, 0.2208, 0.1529



26.9645, 0.3509, 0.1933



26.9645, 0.4987, 0.2579

Triad

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



26.9645, 0.3509, 0.1933



26.9645, 0.4635, 0.5159



26.9645, 0.1047, 0.2340

Complementary

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



26.9645, 0.3509, 0.1933



63.2067, 0.2929, 0.5280

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.



26.9645, 0.1426, 0.3814



26.9645, 0.3509, 0.1933



26.9645, 0.3478, 0.5952

Square

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



26.9645, 0.3509, 0.1933



26.9645, 0.5538, 0.4175



26.9645, 0.2312, 0.5557



26.9645, 0.1066, 0.1632

Rectangle

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



26.9645, 0.3509, 0.1933



26.9645, 0.5635, 0.3074



26.9645, 0.2312, 0.5557



26.9645, 0.1121, 0.2739

Sweetspot

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



26.9658, 0.3509, 0.1933



69.9082, 0.3214, 0.2848



12.6696, 0.1888, 0.1084



14.2593, 0.3227, 0.2788



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.



26.9658, 0.3509, 0.1933



27.6114, 0.3603, 0.1821



23.8601, 0.4694, 0.2719



15.9841, 0.3163, 0.3095



12.4526, 0.3675, 0.1798



1.0477, 0.3603, 0.1759

Inverse Universe

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



26.9658, 0.3509, 0.1933



27.6114, 0.3603, 0.1821



65.5957, 0.2573, 0.4112



15.9841, 0.3163, 0.3095



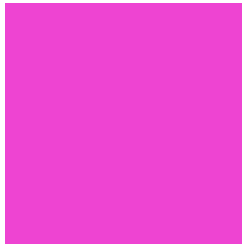
12.4526, 0.3675, 0.1798



1.0477, 0.3603, 0.1759

Previews

White Background



This preview shows how the Yxy color 26.9645, 0.3509, 0.1933 looks on a white background.

Color Contrast Check

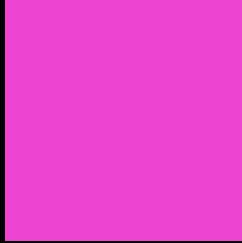
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 26.9645, 0.3509, 0.1933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

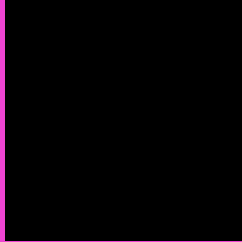
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.9645, 0.3509, 0.1933

Background



This preview shows how black text looks on a background with the Yxy color 26.9645, 0.3509, 0.1933.



This preview shows how white text looks on a background with the Yxy color 26.9645, 0.3509, 0.1933.

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

26.9645, 0.3509, 0.1933

Protanopia

27.3754, 0.1978, 0.1748

Deuteranopia

27.3108, 0.2465, 0.2417



Tritanopia

26.8841, 0.4711, 0.3218

Trichromacy



Original Color

26.9645, 0.3509, 0.1933



Protanomaly

23.7050, 0.2308, 0.1685



Deuteranomaly

24.2389, 0.2772, 0.2093



Tritanomaly

26.3449, 0.4283, 0.2689

Monochromacy



Original Color

26.9645, 0.3509, 0.1933



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

22.7482, 0.3283, 0.2556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9645, 0.3509, 0.1933 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(238, 68, 210)` looks like.

```
.text, #text, p{  
    color:rgb(238, 68, 210)  
}
```

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(238, 68, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 68, 210) }
```

Border

The CSS property to change the border of an element to Yxy 26.9645, 0.3509, 0.1933 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(238, 68, 210) }
```

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

```
.border{ border-color:rgb(238, 68, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 68, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 68, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 68, 210);  
box-shadow:4px 4px 4px 4px rgb(238, 68,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9645, 0.3509, 0.1933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 68, 210) }
```

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

```
.background{ background-color: rgb(238, 68,  
210) }
```

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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