

Converting Colors

$Y_{xy}(26.7492, 0.3507, 0.1951)$

Have a look what the booklet for
Yxy(26.7492, 0.3507, 0.1951)
contains.

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Color

Yxy(26.7673, 0.3510, 0.1950)

Conversions

Conversions Part 1

Format	Color
Hex	EC46D0
RGB	236, 70, 208
RGB Percent	93%, 27%, 82%
CMY	0.0743, 0.7257, 0.1842
CMYK	0.00, 0.70, 0.12, 0.07
HSL	310°, 81%, 60%
HSV	310°, 70%, 93%
XYZ	48.1811, 26.7673, 62.3198
YIQ	135.3660, 54.6380, 78.1100

Conversions

Conversions Part 2

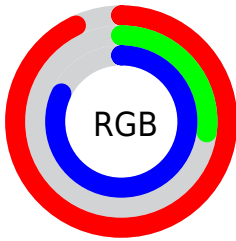
Format	Color
RYB	236, 70, 208
Decimal	15484624
CIELab	58.76, 76.44, -37.16
CIELCh	59, 84.993, 334.073
Yxy	26.7673, 0.3510, 0.1950
Android (android.graphics.Color)	4293674704 (0xFFEC46D0)
YUV	135.3660, 35.8086, 88.2560
Hunter-Lab	51.7371, 75.6914, -35.2016

Details

The Yxy color **26.7673, 0.3510, 0.1950** 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 **62.1978, 0.2927, 0.5242**, and the grayscale version is **24.2124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7126, 0.3182, 0.2111**, and **11.5300, 0.3568, 0.1739** is the 20% darker color. If you saturate the color by 10%, you get **24.1826, 0.3575, 0.1859**, and if you desaturate by 10%, it is **30.5188, 0.3444, 0.2083**.

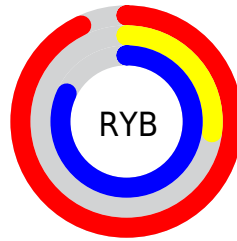
Distribution



Red (93%)

Green (27%)

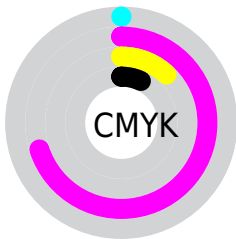
Blue (82%)



Red (93%)

Yellow (27%)

Blue (82%)

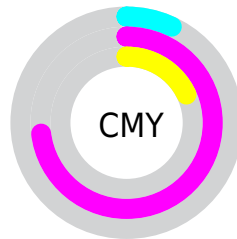


Cyan (0%)

Magenta (70%)

Yellow (12%)

Black (7%)



Cyan (7%)

Magenta (73%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.7673, 0.3510, 0.1950 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 26.7673, 0.3510, 0.1950 by changing the saturation by 10% instead.


 26.7673, 0.3510,
0.1950


 26.7673, 0.3510,
0.1950


286.5287, 0.3341,
0.2587


 17.3985, 0.3545,
0.1804


 54.5102, 0.3454,
0.2172


 10.5190, 0.3584,
0.1625


 73.6532, 0.3431,
0.2258


 5.7444, 0.3629,
0.1403


 96.8230, 0.3412,
0.2332

 2.6903, 0.3677,
0.1123

 124.4041, 0.3394,
0.2397

 0.9723, 0.3716,
0.0773

 156.7808, 0.3378,
0.2453

 0.0000, 0.3848,
0.0000

194.3375, 0.3365,


 0.0000, 0.3496,

0.2503


0.0000


237.4587, 0.3352,
0.2547


 0.0000, 0.0000,
0.0000

 26.7673, 0.3510,
0.1950


 26.7673, 0.3510,
0.1950


 24.1826, 0.3575,
0.1859


 30.5188, 0.3444,
0.2083

 22.6159, 0.3638,
0.1815


 35.5548, 0.3380,
0.2251

 21.8368, 0.3696,
0.1810

 41.9829, 0.3319,
0.2444


 49.8983, 0.3263,
0.2652

 59.3879, 0.3212,
0.2865

 70.5317, 0.3167,
0.3077

 83.4044, 0.3128,
0.3283

 95.6447, 0.3096,
0.3441

 95.8838, 0.3074,
0.3400

Harmonies

Analogous

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



26.7673, 0.2224, 0.1547



26.7673, 0.3510, 0.1950



26.7673, 0.4964, 0.2592

Triad

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



26.7673, 0.3510, 0.1950



26.7673, 0.4625, 0.5150



26.7673, 0.1068, 0.2353

Complementary

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



26.7673, 0.3510, 0.1950



62.1978, 0.2927, 0.5242

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.



26.7673, 0.1446, 0.3803



26.7673, 0.3510, 0.1950



26.7673, 0.3481, 0.5917

Square

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



26.7673, 0.3510, 0.1950



26.7673, 0.5513, 0.4180



26.7673, 0.2325, 0.5512



26.7673, 0.1086, 0.1650

Rectangle

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



26.7673, 0.3510, 0.1950



26.7673, 0.5602, 0.3085



26.7673, 0.2325, 0.5512



26.7673, 0.1142, 0.2747

Sweetspot

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



26.7686, 0.3510, 0.1950



69.8953, 0.3215, 0.2850



13.0070, 0.1924, 0.1121



14.2562, 0.3229, 0.2791



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.



26.7686, 0.3510, 0.1950



27.9398, 0.3601, 0.1836



23.7017, 0.4702, 0.2751



15.2676, 0.3164, 0.3096



12.0484, 0.3687, 0.1805



0.9576, 0.3609, 0.1762

Inverse Universe

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



26.7686, 0.3510, 0.1950



27.9398, 0.3601, 0.1836



64.6397, 0.2563, 0.4057



15.2676, 0.3164, 0.3096



12.0484, 0.3687, 0.1805



0.9576, 0.3609, 0.1762

Previews

White Background



This preview shows how the Yxy color 26.7673, 0.3510, 0.1950 looks on a white background.

Color Contrast Check

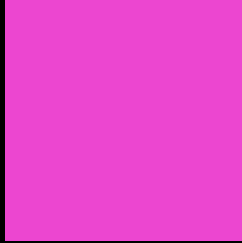
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.7673, 0.3510, 0.1950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

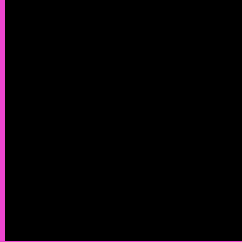
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.7673, 0.3510, 0.1950

Background



This preview shows how black text looks on a background with the Yxy color 26.7673, 0.3510, 0.1950.

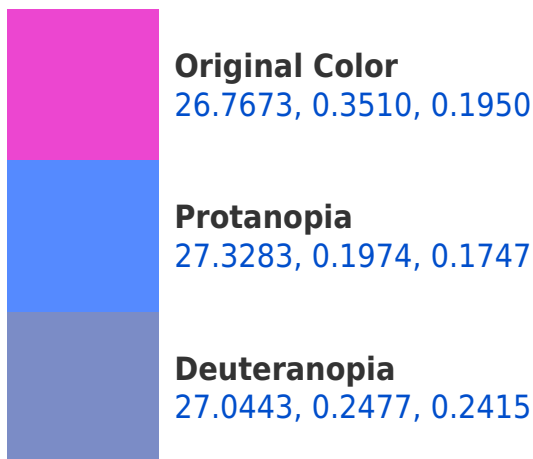


This preview shows how white text looks on a background with the Yxy color 26.7673, 0.3510, 0.1950.

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





Tritanopia

26.5588, 0.4691, 0.3217

Trichromacy



Original Color

26.7673, 0.3510, 0.1950



Protanomaly

23.5588, 0.2306, 0.1689



Deuteranomaly

24.4182, 0.2781, 0.2116



Tritanomaly

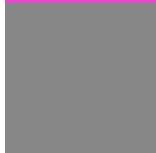
26.1489, 0.4272, 0.2703

Monochromacy



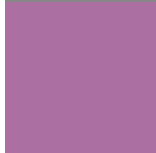
Original Color

26.7673, 0.3510, 0.1950



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 26.7673, 0.3510, 0.1950 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(236, 70, 208)` looks like.

```
.text, #text, p{  
    color:rgb(236, 70, 208)  
}
```

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(236, 70, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 70, 208) }
```

Border

The CSS property to change the border of an element to Yxy 26.7673, 0.3510, 0.1950 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(236, 70, 208) }
```

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

```
.border{ border-color:rgb(236, 70, 208) }
```

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

Here you see how a box with a 4 pixel rgb(236, 70, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 70, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 70, 208);  
box-shadow:4px 4px 4px 4px rgb(236, 70,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7673, 0.3510, 0.1950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 70, 208) }
```

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

```
.background{ background-color: rgb(236, 70,  
208) }
```

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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