

Converting Colors

$Y_{xy}(27.4607, 0.3766, 0.1944)$

Have a look what the booklet for
Yxy(27.4607, 0.3766, 0.1944)
contains.

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Color

Yxy(27.5176, 0.3760, 0.1942)

Conversions

Conversions Part 1

Format	Color
Hex	FF2CCE
RGB	255, 44, 206
RGB Percent	100%, 17%, 81%
CMY	0.0001, 0.8273, 0.1921
CMYK	0.00, 0.83, 0.19, 0.00
HSL	314°, 100%, 59%
HSV	314°, 83%, 100%
XYZ	53.2782, 27.5176, 60.9015
YIQ	125.5570, 73.7540, 95.1140

Conversions

Conversions Part 2

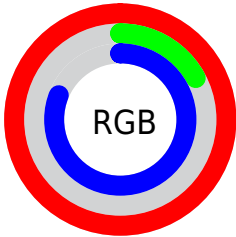
Format	Color
R _Y B	255, 44, 206
Decimal	16723150
CIE Lab	59.45, 87.05, -34.70
CIE LCh	59, 93.706, 338.266
Yxy	27.5176, 0.3760, 0.1942
Android (android.graphics.Color)	4294913230 (0xFFFF2CCE)
YUV	125.5570, 39.6584, 113.5215
Hunter-Lab	52.4572, 89.4933, -32.1141

Details

The Yxy color **27.5176, 0.3760, 0.1942** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **72.8385, 0.2894, 0.5436**, and the grayscale version is **20.5594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2026, 0.3188, 0.2001**, and **13.5718, 0.3852, 0.1896** is the 20% darker color. If you saturate the color by 10%, you get **25.8823, 0.3852, 0.1921**, and if you desaturate by 10%, it is **30.3311, 0.3666, 0.2012**.

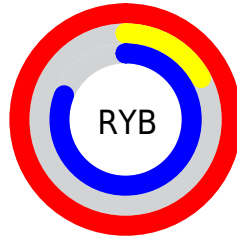
Distribution



Red (100%)

Green (17%)

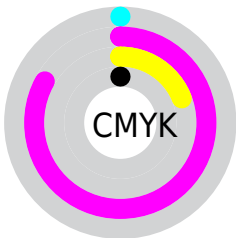
Blue (81%)



Red (100%)

Yellow (17%)

Blue (81%)

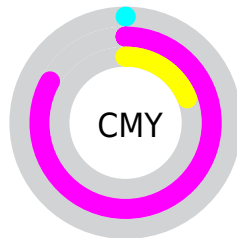


Cyan (0%)

Magenta (83%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (83%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5176, 0.3760, 0.1942 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 27.5176, 0.3760, 0.1942 by changing the saturation by 10% instead.


 27.5176, 0.3760,
0.1942


 27.5176, 0.3760,
0.1942


290.1546, 0.3461,
0.2578


 17.9623, 0.3828,
0.1797


 55.7133, 0.3656,
0.2163


 10.9229, 0.3911,
0.1621


 75.1226, 0.3616,
0.2249

 6.0150, 0.4014,
0.1402


 98.5853, 0.3581,
0.2323

 2.8542, 0.4144,
0.1127

 126.4859, 0.3551,
0.2387

 1.0561, 0.4305,
0.0785

 159.2087, 0.3524,
0.2444

 0.0000, 0.4675,
0.0000

197.1382, 0.3501,

 0.0000, 0.4681,

0.2494

0.0000

240.6587, 0.3480,
0.2538

■ 0.0000, 0.0000,
0.0000

■ 27.5176, 0.3760,
0.1942

■ 27.5176, 0.3760,
0.1942

■ 25.8823, 0.3852,
0.1921

■ 30.3311, 0.3666,
0.2012

■ 25.2330, 0.3916,
0.1931

■ 34.5041, 0.3572,
0.2126

■ 40.1910, 0.3481,
0.2277

■ 47.5242, 0.3396,
0.2454

■ 56.6217, 0.3319,
0.2648

67.5908, 0.3251,
0.2847

80.5299, 0.3191,
0.3046

95.5307, 0.3140,
0.3239

99.9974, 0.3127,
0.3290

Harmonies

Analogous

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



27.5176, 0.2310, 0.1485



27.5176, 0.3760, 0.1942



27.5176, 0.5306, 0.2630

Triad

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



27.5176, 0.3760, 0.1942



27.5176, 0.4496, 0.5371



27.5176, 0.0930, 0.2113

Complementary

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



27.5176, 0.3760, 0.1942



72.8385, 0.2894, 0.5436

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.



27.5176, 0.1235, 0.3558



27.5176, 0.3760, 0.1942



27.5176, 0.3261, 0.6187

Square

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



27.5176, 0.3760, 0.1942



27.5176, 0.5535, 0.4296



27.5176, 0.2071, 0.5548



27.5176, 0.1005, 0.1484

Rectangle

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



27.5176, 0.3760, 0.1942



27.5176, 0.5882, 0.3140



27.5176, 0.2071, 0.5548



27.5176, 0.0982, 0.2487

Sweetspot

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



27.5190, 0.3760, 0.1942



64.9338, 0.3266, 0.2802



11.1853, 0.1782, 0.0861



13.0597, 0.3289, 0.2731



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.



27.5190, 0.3760, 0.1942



25.3184, 0.3907, 0.1929



24.0580, 0.5311, 0.2863



18.2240, 0.3174, 0.3109



13.2105, 0.3902, 0.1923



1.3029, 0.3806, 0.1870

Inverse Universe

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



27.5190, 0.3760, 0.1942



25.3184, 0.3907, 0.1929



75.9978, 0.2501, 0.4072



18.2240, 0.3174, 0.3109



13.2105, 0.3902, 0.1923



1.3029, 0.3806, 0.1870

Previews

White Background



This preview shows how the Yxy color 27.5176, 0.3760, 0.1942 looks on a white background.

Color Contrast Check

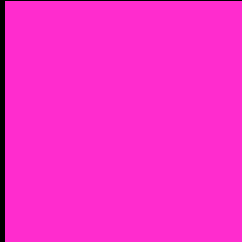
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5176, 0.3760, 0.1942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

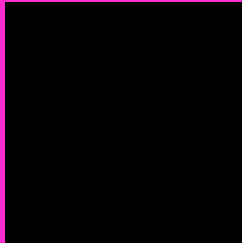
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5176, 0.3760, 0.1942

Background



This preview shows how black text looks on a background with the Yxy color 27.5176, 0.3760, 0.1942.



This preview shows how white text looks on a background with the Yxy color 27.5176, 0.3760, 0.1942.

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

27.5176, 0.3760, 0.1942

Protanopia

28.0509, 0.1992, 0.1777

Deuteranopia

27.6119, 0.2555, 0.2492



Tritanopia

27.3654, 0.5136, 0.3250

Trichromacy



Original Color

27.5176, 0.3760, 0.1942



Protanomaly

22.6071, 0.2370, 0.1637



Deuteranomaly

23.4992, 0.2929, 0.2084



Tritanomaly

26.6541, 0.4670, 0.2716

Monochromacy



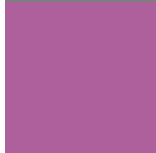
Original Color

27.5176, 0.3760, 0.1942



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

19.6165, 0.3404, 0.2443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5176, 0.3760, 0.1942 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(255, 44, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 44, 206)  
}
```

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(255, 44, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 44, 206) }
```

Border

The CSS property to change the border of an element to Yxy 27.5176, 0.3760, 0.1942 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(255, 44, 206) }
```

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

```
.border{ border-color:rgb(255, 44, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 44, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 44, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 44, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 44,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5176, 0.3760, 0.1942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 44, 206) }
```

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

```
.background{ background-color: rgb(255, 44,  
206) }
```

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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