

Converting Colors

$Y_{xy}(27.1235, 0.3807, 0.1957)$

Have a look what the booklet for
Yxy(27.1235, 0.3807, 0.1957)
contains.

Yxy(27.1577, 0.3801, 0.1955)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(27.1577, 0.3801, 0.1955)

Conversions

Conversions Part 1

Format	Color
Hex	FF29CB
RGB	255, 41, 203
RGB Percent	100%, 16%, 80%
CMY	0.0002, 0.8387, 0.2039
CMYK	0.00, 0.84, 0.20, 0.00
HSL	315°, 100%, 58%
HSV	315°, 84%, 100%
XYZ	52.8012, 27.1577, 58.9551
YIQ	123.4540, 75.5420, 95.7500

Conversions

Conversions Part 2

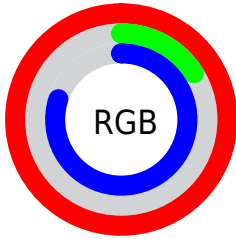
Format	Color
R _Y B	255, 41, 203
Decimal	16722379
CIE Lab	59.12, 87.24, -33.49
CIE LCh	59, 93.444, 338.996
Yxy	27.1577, 0.3801, 0.1955
Android (android.graphics.Color)	4294912459 (0xFFFF29CB)
YUV	123.4540, 39.2162, 115.3658
Hunter-Lab	52.1131, 89.6594, -30.5952

Details

The Yxy color **27.1577, 0.3801, 0.1955** 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 **72.7617, 0.2889, 0.5438**, and the grayscale version is **19.8362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7415, 0.3188, 0.1986**, and **13.4756, 0.3906, 0.1925** is the 20% darker color. If you saturate the color by 10%, you get **25.6345, 0.3898, 0.1942**, and if you desaturate by 10%, it is **29.8356, 0.3701, 0.2017**.

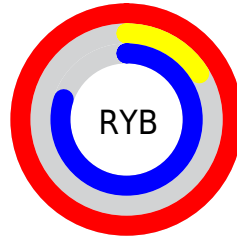
Distribution



Red (100%)

Green (16%)

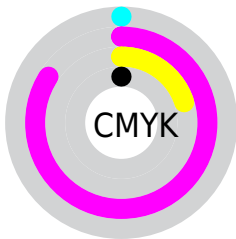
Blue (80%)



Red (100%)

Yellow (16%)

Blue (80%)

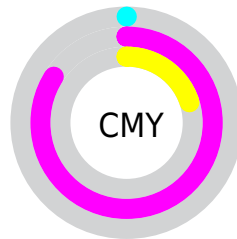


Cyan (0%)

Magenta (84%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (84%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1577, 0.3801, 0.1955 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 27.1577, 0.3801, 0.1955 by changing the saturation by 10% instead.


 27.1577, 0.3801,
0.1955


 27.1577, 0.3801,
0.1955

288.4199, 0.3479,
0.2588


 17.6917, 0.3875,
0.1810


 55.1368, 0.3688,
0.2175

 10.7289, 0.3967,
0.1633


 74.4187, 0.3645,
0.2261


 5.8848, 0.4082,
0.1413


 97.7414, 0.3607,
0.2335

 2.7752, 0.4229,
0.1136

 125.4892, 0.3575,
0.2399

 1.0155, 0.4417,
0.0789

 158.0466, 0.3546,
0.2455

 0.0000, 0.4835,
0.0000

195.7979, 0.3521,

 0.0000, 0.4904,

0.2504

0.0000

239.1275, 0.3499,
0.2548

■ 0.0000, 0.0000,
0.0000

■ 27.1577, 0.3801,
0.1955

■ 27.1577, 0.3801,
0.1955

■ 25.6345, 0.3898,
0.1942

■ 29.8356, 0.3701,
0.2017


■ 25.1029, 0.3955,
0.1952

■ 33.8544, 0.3602,
0.2125


■ 39.3714, 0.3506,
0.2271

■ 46.5212, 0.3417,
0.2444

■ 55.4230, 0.3335,
0.2634

 66.1853, 0.3263,
0.2831

 78.9073, 0.3200,
0.3028

 93.6815, 0.3146,
0.3219

99.9927, 0.3127,
0.3290

Harmonies

Analogous

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



27.1577, 0.2338, 0.1491



27.1577, 0.3801, 0.1955



27.1577, 0.5340, 0.2647

Triad

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



27.1577, 0.3801, 0.1955



27.1577, 0.4467, 0.5399



27.1577, 0.0926, 0.2087

Complementary

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



27.1577, 0.3801, 0.1955



72.7617, 0.2889, 0.5438

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.



27.1577, 0.1220, 0.3511



27.1577, 0.3801, 0.1955



27.1577, 0.3229, 0.6199

Square

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



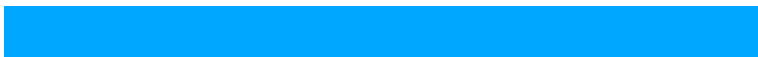
27.1577, 0.3801, 0.1955



27.1577, 0.5516, 0.4320



27.1577, 0.2043, 0.5512



27.1577, 0.1009, 0.1473

Rectangle

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



27.1577, 0.3801, 0.1955



27.1577, 0.5897, 0.3158



27.1577, 0.2043, 0.5512



27.1577, 0.0975, 0.2454

Sweetspot

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



27.1591, 0.3801, 0.1955



64.8927, 0.3271, 0.2808



11.0377, 0.1786, 0.0851



13.0498, 0.3296, 0.2739



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.



27.1591, 0.3801, 0.1955



25.1115, 0.3955, 0.1952



23.7323, 0.5407, 0.2901



18.2205, 0.3175, 0.3112



13.1461, 0.3940, 0.1944



1.2972, 0.3839, 0.1888

Inverse Universe

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



27.1591, 0.3801, 0.1955



25.1115, 0.3955, 0.1952



76.0441, 0.2486, 0.4034



18.2205, 0.3175, 0.3112



13.1461, 0.3940, 0.1944



1.2972, 0.3839, 0.1888

Previews

White Background



This preview shows how the Yxy color 27.1577, 0.3801, 0.1955 looks on a white background.

Color Contrast Check

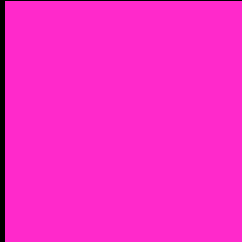
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1577, 0.3801, 0.1955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

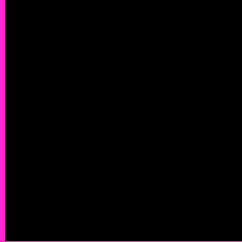
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1577, 0.3801, 0.1955

Background



This preview shows how black text looks on a background with the Yxy color 27.1577, 0.3801, 0.1955.



This preview shows how white text looks on a background with the Yxy color 27.1577, 0.3801, 0.1955.

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

27.1577, 0.3801, 0.1955

Protanopia

27.6637, 0.1981, 0.1761

Deuteranopia

27.1849, 0.2575, 0.2515



Tritanopia

27.1819, 0.5184, 0.3251

Trichromacy



Original Color

27.1577, 0.3801, 0.1955



Protanomaly

21.9597, 0.2357, 0.1616



Deuteranomaly

22.9547, 0.2959, 0.2091



Tritanomaly

26.1860, 0.4727, 0.2725

Monochromacy



Original Color

27.1577, 0.3801, 0.1955



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

19.0760, 0.3421, 0.2438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1577, 0.3801, 0.1955 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, 41, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 41, 203)  
}
```

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, 41, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 41, 203) }
```

Border

The CSS property to change the border of an element to Yxy 27.1577, 0.3801, 0.1955 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, 41, 203) }
```

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

```
.border{ border-color:rgb(255, 41, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 41, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 41, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 41, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 41,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1577, 0.3801, 0.1955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 41, 203) }
```

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

```
.background{ background-color: rgb(255, 41,  
203) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor