

Converting Colors

$Y_{xy}(27.3804, 0.3692, 0.1880)$

Have a look what the booklet for
Yxy(27.3804, 0.3692, 0.1880)
contains.

Yxy(27.3997, 0.3687, 0.1877)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.3997, 0.3687, 0.1877)

Conversions

Conversions Part 1

Format	Color
Hex	FF26D4
RGB	255, 38, 212
RGB Percent	100%, 15%, 83%
CMY	0.0000, 0.8511, 0.1685
CMYK	0.00, 0.85, 0.17, 0.00
HSL	312°, 100%, 57%
HSV	312°, 85%, 100%
XYZ	53.8214, 27.3997, 64.7550
YIQ	122.7190, 73.4780, 100.1180

Conversions

Conversions Part 2

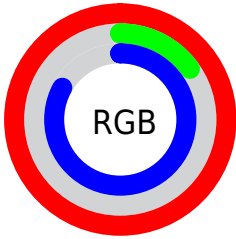
Format	Color
R_{YB}	255, 38, 212
Decimal	16721620
CIE _{Lab}	59.34, 88.91, -38.29
CIE _{LCh}	59, 96.801, 336.700
Yxy	27.3997, 0.3687, 0.1877
Android (android.graphics.Color)	4294911700 (0xFFFF26D4)
YUV	122.7190, 44.0155, 116.0104
Hunter-Lab	52.3447, 91.9322, -36.7056

Details

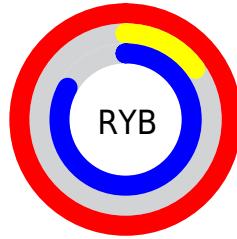
The Yxy color **27.3997, 0.3687, 0.1877** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **72.5250, 0.2919, 0.5564**, and the grayscale version is **19.5405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5146, 0.3189, 0.1978**, and **13.7718, 0.3747, 0.1838** is the 20% darker color. If you saturate the color by 10%, you get **26.0384, 0.3761, 0.1861**, and if you desaturate by 10%, it is **29.8817, 0.3609, 0.1940**.

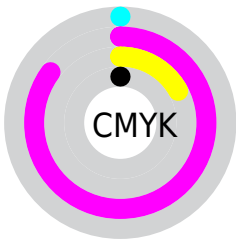
Distribution



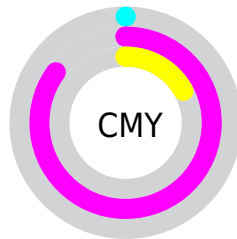
- Red (100%)
- Green (15%)
- Blue (83%)



- Red (100%)
- Yellow (15%)
- Blue (83%)



- Cyan (0%)
- Magenta (85%)
- Yellow (17%)
- Black (0%)




- Cyan (0%)
- Magenta (85%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3997, 0.3687, 0.1877 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 27.3997, 0.3687, 0.1877 by changing the saturation by 10% instead.


 27.3997, 0.3687,
0.1877


 27.3997, 0.3687,
0.1877


289.5872, 0.3431,
0.2537


 17.8736, 0.3743,
0.1729


 55.5246, 0.3600,
0.2105


 10.8593, 0.3809,
0.1549


 74.8922, 0.3566,
0.2194

 5.9723, 0.3889,
0.1328


 98.3091, 0.3536,
0.2271

 2.8282, 0.3983,
0.1055

 126.1598, 0.3510,
0.2338

 1.0427, 0.4091,
0.0721

 158.8285, 0.3486,
0.2397

 0.0000, 0.4341,
0.0000

196.6997, 0.3466,

 0.0000, 0.4223,

0.2449

0.0000

240.1578, 0.3448,
0.2495

■ 0.0000, 0.0000,
0.0000

■ 27.3997, 0.3687,
0.1877

■ 27.3997, 0.3687,
0.1877

■ 26.0384, 0.3761,
0.1861

■ 29.8817, 0.3609,
0.1940

■ 25.6438, 0.3797,
0.1865

■ 33.6815, 0.3530,
0.2050

■ 38.9581, 0.3453,
0.2198

■ 45.8483, 0.3379,
0.2376

■ 54.4730, 0.3311,
0.2573

64.9417, 0.3250,
0.2779

77.3548, 0.3196,
0.2987

91.8055, 0.3149,
0.3190

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



27.3997, 0.2223, 0.1430



27.3997, 0.3687, 0.1877



27.3997, 0.5308, 0.2565

Triad

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



27.3997, 0.3687, 0.1877



27.3997, 0.4570, 0.5346



27.3997, 0.0890, 0.2125

Complementary

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



27.3997, 0.3687, 0.1877



72.5250, 0.2919, 0.5564

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.



27.3997, 0.1215, 0.3663



27.3997, 0.3687, 0.1877



27.3997, 0.3301, 0.6255

Square

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



27.3997, 0.3687, 0.1877



27.3997, 0.5622, 0.4234



27.3997, 0.2085, 0.5727



27.3997, 0.0952, 0.1459

Rectangle

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



27.3997, 0.3687, 0.1877



27.3997, 0.5938, 0.3077



27.3997, 0.2085, 0.5727



27.3997, 0.0947, 0.2522

Sweetspot

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



27.3994, 0.3687, 0.1877



63.9293, 0.3255, 0.2761



10.2145, 0.1715, 0.0801



12.8740, 0.3276, 0.2689



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.



27.3994, 0.3687, 0.1877



25.6438, 0.3797, 0.1865



23.7000, 0.5286, 0.2811



18.2351, 0.3168, 0.3101



13.4212, 0.3785, 0.1859



1.3218, 0.3707, 0.1816

Inverse Universe

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



27.3994, 0.3687, 0.1877



25.6438, 0.3797, 0.1865



75.4886, 0.2529, 0.4200



18.2351, 0.3168, 0.3101



13.4212, 0.3785, 0.1859



1.3218, 0.3707, 0.1816

Previews

White Background



This preview shows how the Yxy color 27.3997, 0.3687, 0.1877 looks on a white background.

Color Contrast Check

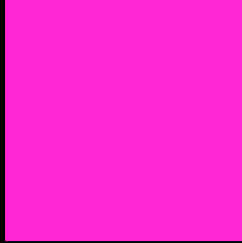
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3997, 0.3687, 0.1877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

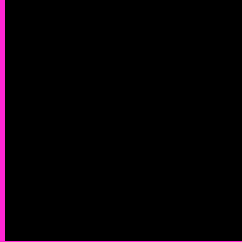
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3997, 0.3687, 0.1877

Background



This preview shows how black text looks on a background with the Yxy color 27.3997, 0.3687, 0.1877.



This preview shows how white text looks on a background with the Yxy color 27.3997, 0.3687, 0.1877.

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

27.3997, 0.3687, 0.1877

Protanopia

28.0024, 0.1988, 0.1775

Deuteranopia

27.4584, 0.2481, 0.2420



Tritanopia

27.3654, 0.5136, 0.3250

Trichromacy



Original Color

27.3997, 0.3687, 0.1877



Protanomaly

22.2284, 0.2347, 0.1598



Deuteranomaly

23.0309, 0.2840, 0.1990



Tritanomaly

26.3262, 0.4650, 0.2674

Monochromacy



Original Color

27.3997, 0.3687, 0.1877



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

18.6788, 0.3384, 0.2381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3997, 0.3687, 0.1877 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, 38, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 38, 212)  
}
```

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, 38, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 38, 212) }
```

Border

The CSS property to change the border of an element to Yxy 27.3997, 0.3687, 0.1877 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, 38, 212) }
```

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

```
.border{ border-color:rgb(255, 38, 212) }
```

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

Here you see how a box with a 4 pixel rgb(255, 38, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 38, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 38, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 38,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3997, 0.3687, 0.1877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 38, 212) }
```

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

```
.background{ background-color: rgb(255, 38,  
212) }
```

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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