

Converting Colors

$Y_{xy}(27.6532, 0.3597, 0.1818)$

Have a look what the booklet for
Yxy(27.6532, 0.3597, 0.1818)
contains.

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Color

Yxy(27.6362, 0.3601, 0.1821)

Conversions

Conversions Part 1

Format	Color
Hex	FF24DB
RGB	255, 36, 219
RGB Percent	100%, 14%, 86%
CMY	0.0001, 0.8584, 0.1411
CMYK	0.00, 0.86, 0.14, 0.00
HSL	310°, 100%, 57%
HSV	310°, 86%, 100%
XYZ	54.6502, 27.6362, 69.4775
YIQ	122.3430, 71.7810, 103.3410

Conversions

Conversions Part 2

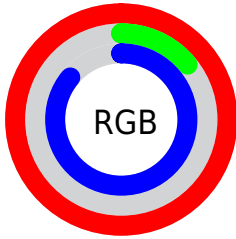
Format	Color
R _Y B	255, 36, 219
Decimal	16721115
CIE Lab	59.56, 90.09, -41.91
CIE LCh	60, 99.359, 335.051
Yxy	27.6362, 0.3601, 0.1821
Android (android.graphics.Color)	4294911195 (0xFFFF24DB)
YUV	122.3430, 47.6519, 116.3402
Hunter-Lab	52.5701, 93.5649, -41.5595

Details

The Yxy color **27.6362, 0.3601, 0.1821** 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 **72.3481, 0.2939, 0.5647**, and the grayscale version is **19.4214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2903, 0.3189, 0.1971**, and **13.9818, 0.3647, 0.1783** is the 20% darker color. If you saturate the color by 10%, you get **26.3821, 0.3660, 0.1802**, and if you desaturate by 10%, it is **29.9949, 0.3538, 0.1886**.

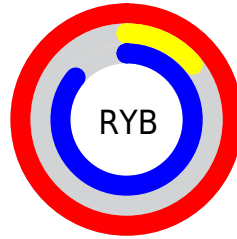
Distribution



Red (100%)

Green (14%)

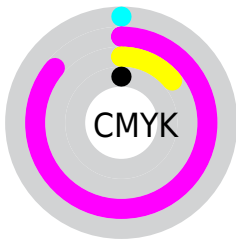
Blue (86%)



Red (100%)

Yellow (14%)

Blue (86%)

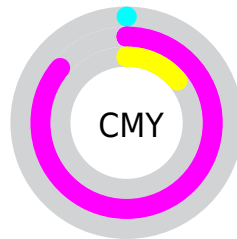


Cyan (0%)

Magenta (86%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (86%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6362, 0.3601, 0.1821 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 27.6362, 0.3601, 0.1821 by changing the saturation by 10% instead.


 27.6362, 0.3601,
0.1821


 27.6362, 0.3601,
0.1821


290.7244, 0.3394,
0.2500


 18.0516, 0.3643,
0.1671


 55.9031, 0.3533,
0.2054


 10.9870, 0.3691,
0.1490


 75.3542, 0.3506,
0.2145

 6.0581, 0.3745,
0.1269


 98.8629, 0.3481,
0.2224

 2.8805, 0.3804,
0.1000

 126.8136, 0.3460,
0.2294

 1.0696, 0.3858,
0.0676

 159.5907, 0.3441,
0.2354

 0.0000, 0.4004,
0.0000

197.5786, 0.3424,

 0.0000, 0.3777,

0.2408

0.0000

241.1617, 0.3408,
0.2457

■ 0.0000, 0.0939,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.6362, 0.3601,
0.1821

■ 27.6362, 0.3601,
0.1821

■ 26.3821, 0.3660,
0.1802


■ 29.9949, 0.3538,
0.1886


■ 26.0628, 0.3684,
0.1803


■ 33.6541, 0.3474,
0.1996


■ 38.7766, 0.3410,
0.2147

■ 45.5002, 0.3348,
0.2328

 53.9469, 0.3290,
0.2530

 64.2269, 0.3237,
0.2743

 76.4411, 0.3190,
0.2959

 90.6831, 0.3149,
0.3170

99.9948, 0.3127,
0.3290

Harmonies

Analogous

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



27.6362, 0.2140, 0.1387



27.6362, 0.3601, 0.1821



27.6362, 0.5280, 0.2506

Triad

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



27.6362, 0.3601, 0.1821



27.6362, 0.4646, 0.5304



27.6362, 0.0865, 0.2156

Complementary

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



27.6362, 0.3601, 0.1821



72.3481, 0.2939, 0.5647

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.



27.6362, 0.1213, 0.3782



27.6362, 0.3601, 0.1821



27.6362, 0.3352, 0.6285

Square

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



27.6362, 0.3601, 0.1821



27.6362, 0.5698, 0.4169



27.6362, 0.2117, 0.5884



27.6362, 0.0911, 0.1450

Rectangle

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



27.6362, 0.3601, 0.1821



27.6362, 0.5963, 0.3017



27.6362, 0.2117, 0.5884



27.6362, 0.0928, 0.2576

Sweetspot

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



27.6376, 0.3601, 0.1821



64.0643, 0.3238, 0.2740



9.7488, 0.1674, 0.0772



12.9065, 0.3256, 0.2665



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.



27.6376, 0.3601, 0.1821



26.0692, 0.3684, 0.1803



23.7083, 0.5195, 0.2748



18.2461, 0.3163, 0.3094



13.6407, 0.3675, 0.1798



1.3412, 0.3613, 0.1764

Inverse Universe

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



27.6376, 0.3601, 0.1821



26.0692, 0.3684, 0.1803



75.1085, 0.2559, 0.4313



18.2461, 0.3163, 0.3094



13.6407, 0.3675, 0.1798



1.3412, 0.3613, 0.1764

Previews

White Background



This preview shows how the Yxy color 27.6362, 0.3601, 0.1821 looks on a white background.

Color Contrast Check

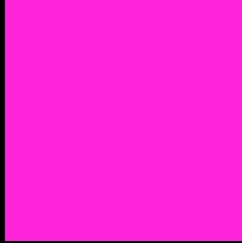
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6362, 0.3601, 0.1821 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 27.6362, 0.3601, 0.1821

Background



This preview shows how black text looks on a background with the Yxy color 27.6362, 0.3601, 0.1821.



This preview shows how white text looks on a background with the Yxy color 27.6362, 0.3601, 0.1821.

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

27.6362, 0.3601, 0.1821

Protanopia

28.0509, 0.1992, 0.1777

Deuteranopia

27.7953, 0.2408, 0.2343



Tritanopia

27.5598, 0.5088, 0.3249

Trichromacy



Original Color

27.6362, 0.3601, 0.1821



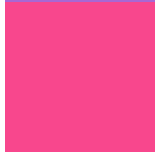
Protanomaly

22.3031, 0.2336, 0.1570



Deuteranomaly

22.8387, 0.2745, 0.1902



Tritanomaly

26.3860, 0.4575, 0.2638

Monochromacy



Original Color

27.6362, 0.3601, 0.1821



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.4625, 0.3345, 0.2339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6362, 0.3601, 0.1821 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, 36, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 219)  
}
```

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, 36, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 219) }
```

Border

The CSS property to change the border of an element to Yxy 27.6362, 0.3601, 0.1821 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, 36, 219) }
```

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

```
.border{ border-color:rgb(255, 36, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 36, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6362, 0.3601, 0.1821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 219) }
```

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

```
.background{ background-color: rgb(255, 36,  
219) }
```

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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