

Converting Colors

$Y_{xy}(27.7168, 0.3576, 0.1805)$

Have a look what the booklet for
Yxy(27.7168, 0.3576, 0.1805)
contains.

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Color

Yxy(27.7422, 0.3577, 0.1807)

Conversions

Conversions Part 1

Format	Color
Hex	FF24DD
RGB	255, 36, 221
RGB Percent	100%, 14%, 87%
CMY	0.0001, 0.8585, 0.1333
CMYK	0.00, 0.86, 0.13, 0.00
HSL	309°, 100%, 57%
HSV	309°, 86%, 100%
XYZ	54.9164, 27.7422, 70.8677
YIQ	122.5710, 71.1390, 103.9630

Conversions

Conversions Part 2

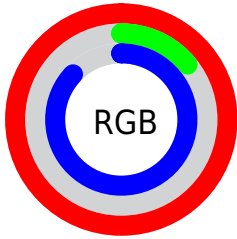
Format	Color
R _Y B	255, 36, 221
Decimal	16721117
CIE _{Lab}	59.66, 90.35, -42.88
CIE _{LCh}	60, 100.007, 334.608
Yxy	27.7422, 0.3577, 0.1807
Android (android.graphics.Color)	4294911197 (0xFFFF24DD)
YUV	122.5710, 48.5255, 116.1402
Hunter-Lab	52.6709, 93.9359, -42.9041

Details

The Yxy color **27.7422, 0.3577, 0.1807** 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 **72.3267, 0.2944, 0.5664**, and the grayscale version is **19.4941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5146, 0.3189, 0.1978**, and **14.0541, 0.3615, 0.1765** is the 20% darker color. If you saturate the color by 10%, you get **26.4982, 0.3632, 0.1786**, and if you desaturate by 10%, it is **30.0902, 0.3518, 0.1873**.

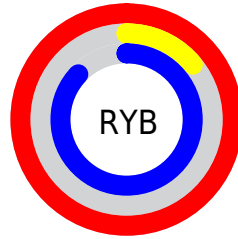
Distribution



Red (100%)

Green (14%)

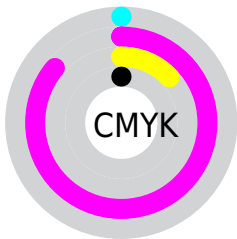
Blue (87%)



Red (100%)

Yellow (14%)

Blue (87%)

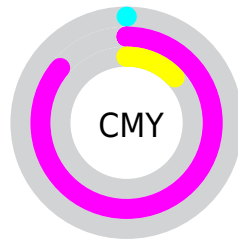


Cyan (0%)

Magenta (86%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (86%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7422, 0.3577, 0.1807 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 27.7422, 0.3577, 0.1807 by changing the saturation by 10% instead.

 27.7422, 0.3577,
0.1807


 27.7422, 0.3577,
0.1807


291.2330, 0.3384,
0.2490


 18.1314, 0.3615,
0.1657


 56.0726, 0.3514,
0.2041


 11.0444, 0.3658,
0.1475


 75.5610, 0.3489,
0.2133


 6.0967, 0.3706,
0.1255


 99.1107, 0.3466,
0.2212

 2.9040, 0.3756,
0.0987

 127.1061, 0.3446,
0.2282

 1.0818, 0.3796,
0.0666

 159.9317, 0.3428,
0.2344

 0.0000, 0.3916,
0.0000

197.9718, 0.3412,

 0.0000, 0.3665,

0.2398

0.0000

241.6107, 0.3397,
0.2447

■ 0.0000, 0.1060,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.7422, 0.3577,
0.1807

■ 27.7422, 0.3577,
0.1807

■ 26.4982, 0.3632,
0.1786


■ 30.0902, 0.3518,
0.1873


■ 26.1831, 0.3655,
0.1787


■ 33.7382, 0.3458,
0.1985

■ 38.8487, 0.3397,
0.2136

■ 45.5598, 0.3338,
0.2319

 53.9935, 0.3283,
0.2523

 64.2599, 0.3233,
0.2738

 76.4599, 0.3188,
0.2955

 90.6872, 0.3148,
0.3169

99.9962, 0.3127,
0.3290

Harmonies

Analogous

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



27.7422, 0.2118, 0.1377



27.7422, 0.3577, 0.1807



27.7422, 0.5269, 0.2490

Triad

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



27.7422, 0.3577, 0.1807



27.7422, 0.4667, 0.5291



27.7422, 0.0860, 0.2166

Complementary

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



27.7422, 0.3577, 0.1807



72.3267, 0.2944, 0.5664

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.



27.7422, 0.1214, 0.3816



27.7422, 0.3577, 0.1807



27.7422, 0.3367, 0.6289

Square

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



27.7422, 0.3577, 0.1807



27.7422, 0.5717, 0.4152



27.7422, 0.2127, 0.5923



27.7422, 0.0902, 0.1449

Rectangle

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



27.7422, 0.3577, 0.1807



27.7422, 0.5967, 0.3002



27.7422, 0.2127, 0.5923



27.7422, 0.0924, 0.2593

Sweetspot

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



27.7436, 0.3577, 0.1807



64.1010, 0.3234, 0.2734



9.7478, 0.1674, 0.0772



12.9153, 0.3251, 0.2659



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.



27.7436, 0.3577, 0.1807



26.1878, 0.3655, 0.1787



23.7085, 0.5196, 0.2748



18.2491, 0.3162, 0.3092



13.7019, 0.3646, 0.1782



1.3466, 0.3588, 0.1750

Inverse Universe

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



27.7436, 0.3577, 0.1807



26.1878, 0.3655, 0.1787



75.1128, 0.2559, 0.4314



18.2491, 0.3162, 0.3092



13.7019, 0.3646, 0.1782



1.3466, 0.3588, 0.1750

Previews

White Background



This preview shows how the Yxy color 27.7422, 0.3577, 0.1807 looks on a white background.

Color Contrast Check

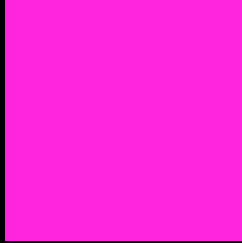
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7422, 0.3577, 0.1807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

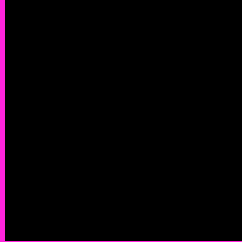
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7422, 0.3577, 0.1807

Background



This preview shows how black text looks on a background with the Yxy color 27.7422, 0.3577, 0.1807.



This preview shows how white text looks on a background with the Yxy color 27.7422, 0.3577, 0.1807.

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

27.7422, 0.3577, 0.1807

Protanopia

28.3936, 0.2000, 0.1791

Deuteranopia

28.0505, 0.2384, 0.2332



Tritanopia

27.7505, 0.5068, 0.3248

Trichromacy



Original Color

27.7422, 0.3577, 0.1807



Protanomaly

22.5611, 0.2331, 0.1574



Deuteranomaly

23.0296, 0.2719, 0.1891



Tritanomaly

26.5442, 0.4557, 0.2635

Monochromacy



Original Color

27.7422, 0.3577, 0.1807



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

18.6433, 0.3332, 0.2318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7422, 0.3577, 0.1807 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 221) }
```

Border

The CSS property to change the border of an element to Yxy 27.7422, 0.3577, 0.1807 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, 221) }
```

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

```
.border{ border-color:rgb(255, 36, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
221) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 27.7422, 0.3577, 0.1807$ 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, 221) }
```

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

```
.background{ background-color: rgb(255, 36,  
221) }
```

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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