

Converting Colors

$Y_{xy}(27.7104, 0.3923, 0.2084)$

Have a look what the booklet for
Yxy(27.7104, 0.3923, 0.2084)
contains.

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Color

Yxy(27.7486, 0.3924, 0.2087)

Conversions

Conversions Part 1

Format	Color
Hex	FF36C1
RGB	255, 54, 193
RGB Percent	100%, 21%, 76%
CMY	0.0001, 0.7879, 0.2433
CMYK	0.00, 0.79, 0.24, 0.00
HSL	319°, 100%, 61%
HSV	319°, 79%, 100%
XYZ	52.1732, 27.7486, 53.0375
YIQ	129.9450, 75.1770, 85.8410

Conversions

Conversions Part 2

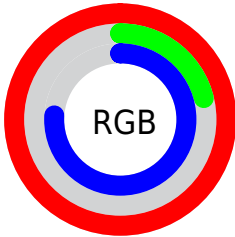
Format	Color
R _Y B	255, 54, 193
Decimal	16725697
CIE _{Lab}	59.66, 83.27, -26.91
CIE _{LCh}	60, 87.509, 342.088
Yxy	27.7486, 0.3924, 0.2087
Android (android.graphics.Color)	4294915777 (0xFFFF36C1)
YUV	129.9450, 31.0861, 109.6732
Hunter-Lab	52.6769, 84.6085, -22.8219

Details

The Yxy color **27.7486, 0.3924, 0.2087** 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 **73.5508, 0.2835, 0.5158**, and the grayscale version is **22.1864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.0812, 0.3230, 0.2077**, and **13.2015, 0.4074, 0.2018** is the 20% darker color. If you saturate the color by 10%, you get **25.6201, 0.4057, 0.2061**, and if you desaturate by 10%, it is **31.1412, 0.3790, 0.2162**.

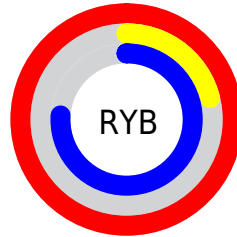
Distribution



Red (100%)

Green (21%)

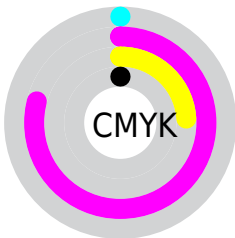
Blue (76%)



Red (100%)

Yellow (21%)

Blue (76%)

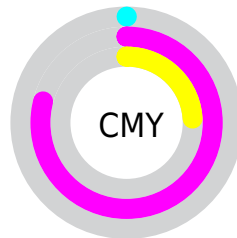


Cyan (0%)

Magenta (79%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (79%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7486, 0.3924, 0.2087 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 27.7486, 0.3924, 0.2087 by changing the saturation by 10% instead.


 27.7486, 0.3924,
0.2087


 27.7486, 0.3924,
0.2087


291.2637, 0.3529,
0.2667


 18.1362, 0.4020,
0.1951


 56.0828, 0.3782,
0.2291

 11.0478, 0.4142,
0.1783


 75.5735, 0.3728,
0.2370

 6.0990, 0.4300,
0.1570


 99.1257, 0.3682,
0.2438

 2.9054, 0.4512,
0.1296

 127.1238, 0.3643,
0.2496

 1.0825, 0.4807,
0.0939

 159.9523, 0.3609,
0.2547

 0.0000, 0.5499,
0.0000

197.9955, 0.3579,

 0.0000, 0.5990,

0.2592

0.0000

241.6378, 0.3552,
0.2631

■ 0.0000, 0.0000,
0.0000

■ 27.7486, 0.3924,
0.2087

■ 27.7486, 0.3924,
0.2087

■ 25.6201, 0.4057,
0.2061

■ 31.1412, 0.3790,
0.2162

■ 24.5048, 0.4186,
0.2084

■ 35.9643, 0.3662,
0.2280

■ 24.3994, 0.4202,
0.2089

■ 42.3634, 0.3541,
0.2429

■ 50.4648, 0.3432,
0.2599

■ 60.3822, 0.3336,
0.2779

72.2192, 0.3252,
0.2961

86.0715, 0.3181,
0.3140

99.9942, 0.3127,
0.3290

Harmonies

Analogous

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



27.7486, 0.2510, 0.1608



27.7486, 0.3924, 0.2087



27.7486, 0.5306, 0.2775

Triad

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



27.7486, 0.3924, 0.2087



27.7486, 0.4335, 0.5425



27.7486, 0.1016, 0.2081

Complementary

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



27.7486, 0.3924, 0.2087



73.5508, 0.2835, 0.5158

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.



27.7486, 0.1273, 0.3337



27.7486, 0.3924, 0.2087



27.7486, 0.3154, 0.6016

Square

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



27.7486, 0.3924, 0.2087



27.7486, 0.5342, 0.4430



27.7486, 0.2026, 0.5163



27.7486, 0.1125, 0.1533

Rectangle

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



27.7486, 0.3924, 0.2087



27.7486, 0.5766, 0.3281



27.7486, 0.2026, 0.5163



27.7486, 0.1055, 0.2407

Sweetspot

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



27.7501, 0.3924, 0.2087



65.8171, 0.3294, 0.2866



13.4666, 0.1943, 0.0993



13.2147, 0.3325, 0.2801



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.



27.7501, 0.3924, 0.2087



24.8459, 0.4138, 0.2071



24.7144, 0.5413, 0.3000



18.1993, 0.3186, 0.3127



12.7807, 0.4182, 0.2077



1.2640, 0.4043, 0.2001

Inverse Universe

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



27.7501, 0.3924, 0.2087



24.8459, 0.4138, 0.2071



77.1833, 0.2438, 0.3800



18.1993, 0.3186, 0.3127



12.7807, 0.4182, 0.2077



1.2640, 0.4043, 0.2001

Previews

White Background



This preview shows how the Yxy color 27.7486, 0.3924, 0.2087 looks on a white background.

Color Contrast Check

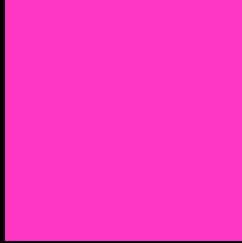
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7486, 0.3924, 0.2087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

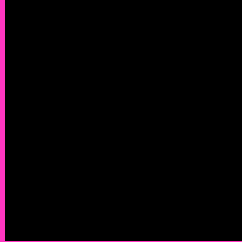
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7486, 0.3924, 0.2087

Background



This preview shows how black text looks on a background with the Yxy color 27.7486, 0.3924, 0.2087.



This preview shows how white text looks on a background with the Yxy color 27.7486, 0.3924, 0.2087.

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

27.7486, 0.3924, 0.2087

Protanopia

28.1498, 0.2001, 0.1780

Deuteranopia

27.8304, 0.2725, 0.2666



Tritanopia

27.7271, 0.5152, 0.3250

Trichromacy



Original Color

27.7486, 0.3924, 0.2087



Protanomaly

23.2475, 0.2416, 0.1722



Deuteranomaly

24.3062, 0.3118, 0.2270



Tritanomaly

27.1046, 0.4743, 0.2792

Monochromacy



Original Color

27.7486, 0.3924, 0.2087



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

20.9166, 0.3446, 0.2557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7486, 0.3924, 0.2087 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, 54, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 54, 193)  
}
```

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, 54, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 54, 193) }
```

Border

The CSS property to change the border of an element to Yxy 27.7486, 0.3924, 0.2087 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, 54, 193) }
```

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

```
.border{ border-color:rgb(255, 54, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 54, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 54, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 54, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 54,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7486, 0.3924, 0.2087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 54, 193) }
```

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

```
.background{ background-color: rgb(255, 54,  
193) }
```

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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