

Converting Colors

$Y_{xy}(27.6291, 0.3882, 0.2046)$

Have a look what the booklet for
Yxy(27.6291, 0.3882, 0.2046)
contains.

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Color

Yxy(27.6132, 0.3886, 0.2049)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF33C4 |
| RGB | 255, 51, 196 |
| RGB Percent | 100%, 20%, 77% |
| CMY | 0.0002, 0.7994, 0.2315 |
| CMYK | 0.00, 0.80, 0.23, 0.00 |
| HSL | 317°, 100%, 60% |
| HSV | 317°, 80%, 100% |
| XYZ | 52.3694, 27.6132, 54.7817 |
| YIQ | 128.5260, 75.0390, 88.3430 |

Conversions

Conversions Part 2

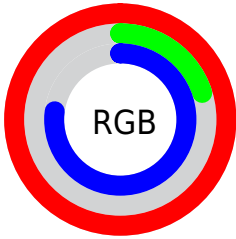
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 51, 196 |
| Decimal | 16724932 |
| CIE Lab | 59.54, 84.31, -28.83 |
| CIE LCh | 60, 89.105, 341.120 |
| Yxy | 27.6132, 0.3886, 0.2049 |
| Android (android.graphics.Color) | 4294915012 (0xFFFF33C4) |
| YUV | 128.5260, 33.2647, 110.9177 |
| Hunter-Lab | 52.5483, 85.9330, -25.0262 |

Details

The Yxy color **27.6132, 0.3886, 0.2049** 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 **73.3184, 0.2851, 0.5234**, and the grayscale version is **21.6671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7848, 0.3204, 0.2038**, and **13.2905, 0.4017, 0.1986** is the 20% darker color. If you saturate the color by 10%, you get **25.6296, 0.4008, 0.2025**, and if you desaturate by 10%, it is **30.8364, 0.3763, 0.2122**.

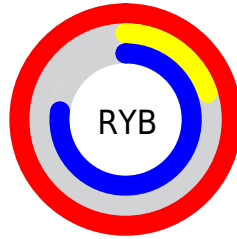
Distribution



Red (100%)

Green (20%)

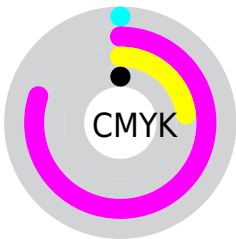
Blue (77%)



Red (100%)

Yellow (20%)

Blue (77%)

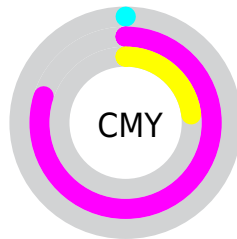


Cyan (0%)

Magenta (80%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6132, 0.3886, 0.2049 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 27.6132, 0.3886, 0.2049 by changing the saturation by 10% instead.

 27.6132, 0.3886,
0.2049


 27.6132, 0.3886,
0.2049


290.6140, 0.3513,
0.2644


 18.0343, 0.3976,
0.1911


 55.8663, 0.3753,
0.2258

 10.9746, 0.4088,
0.1740


 75.3093, 0.3702,
0.2339


 6.0498, 0.4233,
0.1524


 98.8091, 0.3659,
0.2408

 2.8754, 0.4425,
0.1249

 126.7501, 0.3622,
0.2468

 1.0670, 0.4687,
0.0895

 159.5167, 0.3589,
0.2520

 0.0000, 0.5292,
0.0000

197.4933, 0.3561,

 0.0000, 0.5606,

0.2566

0.0000

241.0642, 0.3536,
0.2607

■ 0.0000, 0.0000,
0.0000

■ 27.6132, 0.3886,
0.2049

■ 27.6132, 0.3886,
0.2049

■ 25.6296, 0.4008,
0.2025

■ 30.8364, 0.3763,
0.2122

■ 24.5979, 0.4127,
0.2047

■ 35.4696, 0.3642,
0.2239

■ 24.5923, 0.4127,
0.2047

■ 41.6605, 0.3529,
0.2389

■ 49.5373, 0.3426,
0.2560

■ 59.2146, 0.3334,
0.2744

70.7971, 0.3254,
0.2931

84.3814, 0.3185,
0.3115

99.9881, 0.3127,
0.3290

99.9888, 0.3127,
0.3290

Harmonies

Analogous

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



27.6132, 0.2459, 0.1575



27.6132, 0.3886, 0.2049



27.6132, 0.5312, 0.2738

Triad

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



27.6132, 0.3886, 0.2049



27.6132, 0.4375, 0.5416



27.6132, 0.0992, 0.2086

Complementary

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



27.6132, 0.3886, 0.2049



73.3184, 0.2851, 0.5234

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.



27.6132, 0.1260, 0.3388



27.6132, 0.3886, 0.2049



27.6132, 0.3180, 0.6068

Square

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



27.6132, 0.3886, 0.2049



27.6132, 0.5392, 0.4398



27.6132, 0.2035, 0.5261



27.6132, 0.1092, 0.1518

Rectangle

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



27.6132, 0.3886, 0.2049



27.6132, 0.5800, 0.3245



27.6132, 0.2035, 0.5261



27.6132, 0.1034, 0.2423

Sweetspot

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



27.6146, 0.3886, 0.2049



65.8862, 0.3285, 0.2855



12.8420, 0.1904, 0.0958



13.2314, 0.3314, 0.2788



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.



27.6146, 0.3886, 0.2049



24.9493, 0.4080, 0.2035



24.4619, 0.5410, 0.2975



18.2055, 0.3183, 0.3123



12.8840, 0.4109, 0.2037



1.2734, 0.3981, 0.1967

Inverse Universe

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



27.6146, 0.3886, 0.2049



24.9493, 0.4080, 0.2035



76.8825, 0.2449, 0.3854



18.2055, 0.3183, 0.3123



12.8840, 0.4109, 0.2037



1.2734, 0.3981, 0.1967

Previews

White Background



This preview shows how the Yxy color 27.6132, 0.3886, 0.2049 looks on a white background.

Color Contrast Check

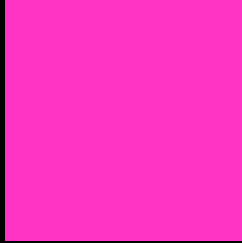
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6132, 0.3886, 0.2049 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 27.6132, 0.3886, 0.2049

Background



This preview shows how black text looks on a background with the Yxy color 27.6132, 0.3886, 0.2049.



This preview shows how white text looks on a background with the Yxy color 27.6132, 0.3886, 0.2049.

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

27.6132, 0.3886, 0.2049

Protanopia

28.1000, 0.1996, 0.1778

Deuteranopia

27.7868, 0.2683, 0.2622



Tritanopia

27.5439, 0.5172, 0.3251

Trichromacy



Original Color

27.6132, 0.3886, 0.2049



Protanomaly

23.0552, 0.2393, 0.1692



Deuteranomaly

23.9830, 0.3064, 0.2218



Tritanomaly

26.9679, 0.4747, 0.2785

Monochromacy



Original Color

27.6132, 0.3886, 0.2049



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.7212, 0.3447, 0.2544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6132, 0.3886, 0.2049 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, 51, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 196)  
}
```

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, 51, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 196) }
```

Border

The CSS property to change the border of an element to Yxy 27.6132, 0.3886, 0.2049 is called "border". The border property can be set on classes, ids or directly on the HTML element.

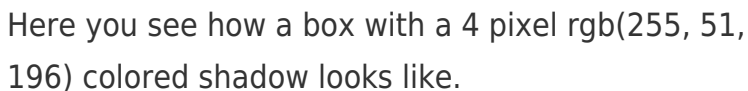
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 51, 196) }
```

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

```
.border{ border-color:rgb(255, 51, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 51, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 51, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 51, 196); box-shadow:4px 4px 4px 4px rgb(255, 51, 196) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6132, 0.3886, 0.2049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 196) }
```

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

```
.background{ background-color: rgb(255, 51,  
196) }
```

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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