

Converting Colors

$Y_{xy}(27.5460, 0.3732, 0.1921)$

Have a look what the booklet for
Yxy(27.5460, 0.3732, 0.1921)
contains.

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Color

Yxy(27.5418, 0.3735, 0.1923)

Conversions

Conversions Part 1

Format	Color
Hex	FF2BD0
RGB	255, 43, 208
RGB Percent	100%, 17%, 82%
CMY	0.0000, 0.8315, 0.1842
CMYK	0.00, 0.83, 0.18, 0.00
HSL	313°, 100%, 58%
HSV	313°, 83%, 100%
XYZ	53.4938, 27.5418, 62.1875
YIQ	125.1980, 73.3870, 96.2590

Conversions

Conversions Part 2

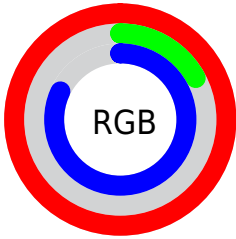
Format	Color
R _Y B	255, 43, 208
Decimal	16722896
CIE Lab	59.47, 87.51, -35.81
CIE LCh	59, 94.550, 337.743
Yxy	27.5418, 0.3735, 0.1923
Android (android.graphics.Color)	4294912976 (0xFFFF2BD0)
YUV	125.1980, 40.8214, 113.8364
Hunter-Lab	52.4803, 90.1068, -33.5206

Details

The Yxy color **27.5418, 0.3735, 0.1923** 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 **72.7705, 0.2901, 0.5470**, and the grayscale version is **20.4159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9708, 0.3188, 0.1993**, and **13.6374, 0.3817, 0.1876** is the 20% darker color. If you saturate the color by 10%, you get **25.9580, 0.3821, 0.1902**, and if you desaturate by 10%, it is **30.2908, 0.3646, 0.1992**.

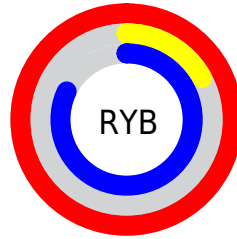
Distribution



Red (100%)

Green (17%)

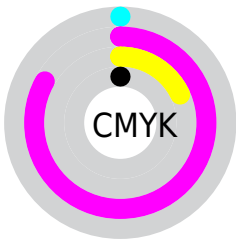
Blue (82%)



Red (100%)

Yellow (17%)

Blue (82%)

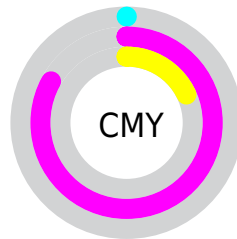


Cyan (0%)

Magenta (83%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (83%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5418, 0.3735, 0.1923 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 27.5418, 0.3735, 0.1923 by changing the saturation by 10% instead.


 27.5418, 0.3735,
0.1923


 27.5418, 0.3735,
0.1923


290.2709, 0.3451,
0.2566


 17.9805, 0.3799,
0.1778


 55.7521, 0.3637,
0.2146

 10.9360, 0.3876,
0.1600


 75.1699, 0.3599,
0.2233

 6.0238, 0.3971,
0.1381


 98.6420, 0.3565,
0.2308

 2.8596, 0.4089,
0.1107

 126.5528, 0.3537,
0.2373

 1.0589, 0.4233,
0.0767

 159.2867, 0.3511,
0.2430

 0.0000, 0.4563,
0.0000

197.2281, 0.3489,


 0.0000, 0.4526,


0.2480

0.0000

240.7614, 0.3469,
0.2525


 0.0000, 0.0000,
0.0000


 27.5418, 0.3735,
0.1923


 27.5418, 0.3735,
0.1923


 25.9580, 0.3821,
0.1902


 30.2908, 0.3646,
0.1992

 25.3605, 0.3878,
0.1910

 34.3931, 0.3556,
0.2106


 40.0026, 0.3470,
0.2258

 47.2524, 0.3389,
0.2436

 56.2610, 0.3315,
0.2631

 67.1361, 0.3249,
0.2833

 79.9765, 0.3191,
0.3035

 94.8741, 0.3141,
0.3230

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.



27.5418, 0.2283, 0.1470



27.5418, 0.3735, 0.1923



27.5418, 0.5302, 0.2611

Triad

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



27.5418, 0.3735, 0.1923



27.5418, 0.4519, 0.5360



27.5418, 0.0920, 0.2120

Complementary

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



27.5418, 0.3735, 0.1923



72.7705, 0.2901, 0.5470

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.



27.5418, 0.1232, 0.3592



27.5418, 0.3735, 0.1923



27.5418, 0.3276, 0.6204

Square

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



27.5418, 0.3735, 0.1923



27.5418, 0.5560, 0.4276



27.5418, 0.2079, 0.5600



27.5418, 0.0990, 0.1479

Rectangle

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



27.5418, 0.3735, 0.1923



27.5418, 0.5894, 0.3121



27.5418, 0.2079, 0.5600



27.5418, 0.0974, 0.2501

Sweetspot

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



27.5415, 0.3735, 0.1923



64.9742, 0.3261, 0.2795



11.0658, 0.1776, 0.0854



13.0695, 0.3283, 0.2724



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.



27.5415, 0.3735, 0.1923



25.3605, 0.3878, 0.1910



23.9664, 0.5327, 0.2865



18.2274, 0.3172, 0.3107



13.2748, 0.3865, 0.1903



1.3087, 0.3775, 0.1853

Inverse Universe

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



27.5415, 0.3735, 0.1923



25.3605, 0.3878, 0.1910



75.9699, 0.2500, 0.4076



18.2274, 0.3172, 0.3107



13.2748, 0.3865, 0.1903



1.3087, 0.3775, 0.1853

Previews

White Background



This preview shows how the Yxy color 27.5418, 0.3735, 0.1923 looks on a white background.

Color Contrast Check

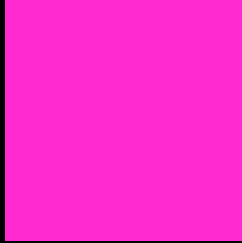
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5418, 0.3735, 0.1923 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 27.5418, 0.3735, 0.1923

Background



This preview shows how black text looks on a background with the Yxy color 27.5418, 0.3735, 0.1923.



This preview shows how white text looks on a background with the Yxy color 27.5418, 0.3735, 0.1923.

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

27.5418, 0.3735, 0.1923

Protanopia

28.0509, 0.1992, 0.1777

Deuteranopia

27.9207, 0.2535, 0.2480



Tritanopia

27.3654, 0.5136, 0.3250

Trichromacy



Original Color

27.5418, 0.3735, 0.1923



Protanomaly

22.6658, 0.2364, 0.1630



Deuteranomaly

23.4769, 0.2899, 0.2060



Tritanomaly

26.5237, 0.4673, 0.2709

Monochromacy



Original Color

27.5418, 0.3735, 0.1923



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

19.3216, 0.3392, 0.2426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5418, 0.3735, 0.1923 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, 43, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 43, 208)  
}
```

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, 43, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 43, 208) }
```

Border

The CSS property to change the border of an element to Yxy 27.5418, 0.3735, 0.1923 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, 43, 208) }
```

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

```
.border{ border-color:rgb(255, 43, 208) }
```

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

Here you see how a box with a 4 pixel rgb(255, 43, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 43, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 43, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 43,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5418, 0.3735, 0.1923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 43, 208) }
```

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

```
.background{ background-color: rgb(255, 43,  
208) }
```

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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