

Converting Colors

$Y_{xy}(23.7671, 0.4565, 0.2353)$

Have a look what the booklet for
Yxy(23.7671, 0.4565, 0.2353)
contains.

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Color

Yxy(23.7762, 0.4569, 0.2357)

Conversions

Conversions Part 1

Format	Color
Hex	FC1D96
RGB	252, 29, 150
RGB Percent	99%, 11%, 59%
CMY	0.0117, 0.8862, 0.4118
CMYK	0.00, 0.88, 0.40, 0.01
HSL	327°, 97%, 55%
HSV	327°, 88%, 99%
XYZ	46.0897, 23.7762, 31.0089
YIQ	109.4710, 94.0670, 84.9070

Conversions

Conversions Part 2

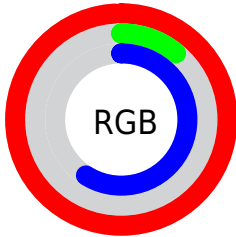
Format	Color
RYB	252, 29, 150
Decimal	16522646
CIELab	55.86, 83.06, -7.68
CIELCh	56, 83.419, 354.715
Yxy	23.7762, 0.4569, 0.2357
Android (android.graphics.Color)	4294712726 (0xFFFC1D96)
YUV	109.4710, 19.9808, 124.9979
Hunter-Lab	48.7608, 83.3903, -3.5722

Details

The Yxy color **23.7762, 0.4569, 0.2357** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **71.5248, 0.2734, 0.4962**, and the grayscale version is **15.3587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1350, 0.3712, 0.2337**, and **11.7197, 0.4862, 0.2452** is the 20% darker color. If you saturate the color by 10%, you get **22.6275, 0.4784, 0.2416**, and if you desaturate by 10%, it is **25.9466, 0.4346, 0.2352**.

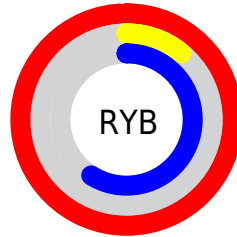
Distribution



Red (99%)

Green (11%)

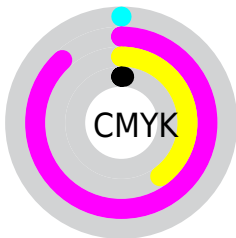
Blue (59%)



Red (99%)

Yellow (11%)

Blue (59%)

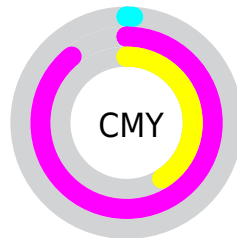


Cyan (0%)

Magenta (88%)

Yellow (40%)

Black (1%)



Cyan (1%)

Magenta (89%)

Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7762, 0.4569, 0.2357 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 23.7762, 0.4569, 0.2357 by changing the saturation by 10% instead.


 23.7762, 0.4569,
0.2357


 23.7762, 0.4569,
0.2357


271.6871, 0.3791,
0.2846

 15.1677, 0.4780,
0.2229


 49.6647, 0.4273,
0.2539

 8.9372, 0.5060,
0.2063


 67.7136, 0.4166,
0.2607


 4.7002, 0.5446,
0.1840


 89.6779, 0.4077,
0.2663

 2.0725, 0.6006,
0.1529

 115.9423, 0.4002,
0.2711

 0.6491, 0.6881,
0.1054

 146.8910, 0.3938,
0.2752

 0.0000, 0.9795,
0.0000

182.9084, 0.3882,

 0.0000, 1.0000,

0.2787

0.0000

224.3790, 0.3834,
0.2819

■ 0.0000, 0.0000,
0.0000

■ 23.7762, 0.4569,
0.2357

■ 23.7762, 0.4569,
0.2357

■ 22.6275, 0.4784,
0.2416

■ 25.9466, 0.4346,
0.2352

■ 22.4942, 0.4817,
0.2427

■ 29.3679, 0.4126,
0.2398

■ 34.2071, 0.3918,
0.2488

■ 40.6042, 0.3729,
0.2607

■ 48.6821, 0.3563,
0.2744

■ 58.5514, 0.3421,
0.2889

■ 70.3133, 0.3300,
0.3035

■ 84.0612, 0.3199,
0.3176

■ 99.3561, 0.3116,
0.3302

Harmonies

Analogous

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



23.7762, 0.3058, 0.1772



23.7762, 0.4569, 0.2357



23.7762, 0.5662, 0.3090

Triad

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



23.7762, 0.4569, 0.2357



23.7762, 0.3844, 0.5787



23.7762, 0.1018, 0.1778

Complementary

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



23.7762, 0.4569, 0.2357



71.5248, 0.2734, 0.4962

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.



23.7762, 0.1107, 0.2702



23.7762, 0.4569, 0.2357



23.7762, 0.2655, 0.5883

Square

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



23.7762, 0.4569, 0.2357



23.7762, 0.4961, 0.4850



23.7762, 0.1640, 0.4403



23.7762, 0.1267, 0.1438

Rectangle

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



23.7762, 0.4569, 0.2357



23.7762, 0.5811, 0.3615



23.7762, 0.1640, 0.4403



23.7762, 0.1008, 0.2005

Sweetspot

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



23.7776, 0.4569, 0.2357



61.7958, 0.3402, 0.2911



12.6038, 0.2042, 0.0949



12.4190, 0.3447, 0.2861



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.



23.7776, 0.4569, 0.2357



23.1047, 0.4818, 0.2428



21.7303, 0.6137, 0.3255



17.3827, 0.3209, 0.3162



11.7471, 0.4782, 0.2408



1.1094, 0.4542, 0.2276

Inverse Universe

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



23.7776, 0.4569, 0.2357



23.1047, 0.4818, 0.2428



76.2274, 0.2300, 0.3426



17.3827, 0.3209, 0.3162



11.7471, 0.4782, 0.2408



1.1094, 0.4542, 0.2276

Previews

White Background



This preview shows how the Yxy color 23.7762, 0.4569, 0.2357 looks on a white background.

Color Contrast Check

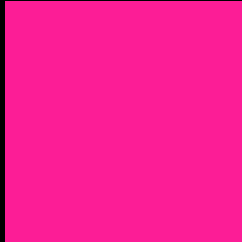
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7762, 0.4569, 0.2357 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 23.7762, 0.4569, 0.2357

Background



This preview shows how black text looks on a background with the Yxy color 23.7762, 0.4569, 0.2357.



This preview shows how white text looks on a background with the Yxy color 23.7762, 0.4569, 0.2357.

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

23.7762, 0.4569, 0.2357

Protanopia

24.2089, 0.2247, 0.2105

Deuteranopia

23.8491, 0.3204, 0.3141



Tritanopia

23.8343, 0.5672, 0.3283

Trichromacy



Original Color

23.7762, 0.4569, 0.2357



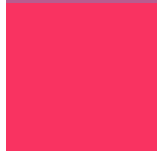
Protanomaly

19.1276, 0.2825, 0.1974



Deuteranomaly

20.0022, 0.3720, 0.2598



Tritanomaly

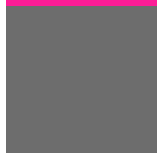
23.3705, 0.5344, 0.2945

Monochromacy



Original Color

23.7762, 0.4569, 0.2357



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

14.7696, 0.3735, 0.2601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7762, 0.4569, 0.2357 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(252, 29, 150)` looks like.

```
.text, #text, p{  
  color:rgb(252, 29, 150)  
}
```

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(252, 29, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 29, 150) }
```

Border

The CSS property to change the border of an element to Yxy 23.7762, 0.4569, 0.2357 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(252, 29, 150) }
```

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

```
.border{ border-color:rgb(252, 29, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 29, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 29, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 29, 150);  
box-shadow:4px 4px 4px 4px rgb(252, 29,  
150) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.7762, 0.4569, 0.2357$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 29, 150) }
```

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

```
.background{ background-color: rgb(252, 29,  
150) }
```

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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