

Converting Colors

$Y_{xy}(40.8108, 0.4130, 0.2177)$

Have a look what the booklet for
Yxy(40.8108, 0.4130, 0.2177)
contains.

Yxy(29.3977, 0.3613, 0.1920)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(29.3977, 0.3613, 0.1920)

Conversions

Conversions Part 1

Format	Color
Hex	FF3BD9
RGB	255, 59, 217
RGB Percent	100%, 23%, 85%
CMY	0.0001, 0.7684, 0.1491
CMYK	0.00, 0.77, 0.15, 0.00
HSL	312°, 100%, 62%
HSV	312°, 77%, 100%
XYZ	55.3197, 29.3977, 68.3956
YIQ	135.6160, 66.0980, 90.6900

Conversions

Conversions Part 2

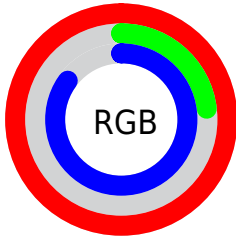
Format	Color
R _{YB}	255, 59, 217
Decimal	16727001
CIE _{Lab}	61.13, 85.00, -38.30
CIE _{LCh}	61, 93.231, 335.744
Yxy	29.3977, 0.3613, 0.1920
Android (android.graphics.Color)	4294917081 (0xFFFF3BD9)
YUV	135.6160, 40.1223, 104.6998
Hunter-Lab	54.2196, 87.2373, -36.8379

Details

The Yxy color **29.3977, 0.3613, 0.1920** 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 **73.2995, 0.2912, 0.5374**, and the grayscale version is **24.3106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4017, 0.3184, 0.2070**, and **14.0780, 0.3678, 0.1800** is the 20% darker color. If you saturate the color by 10%, you get **27.1304, 0.3688, 0.1864**, and if you desaturate by 10%, it is **32.9542, 0.3536, 0.2022**.

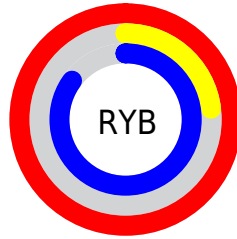
Distribution



Red (100%)

Green (23%)

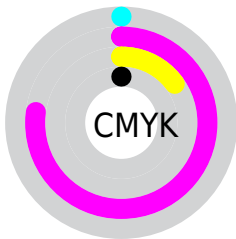
Blue (85%)



Red (100%)

Yellow (23%)

Blue (85%)

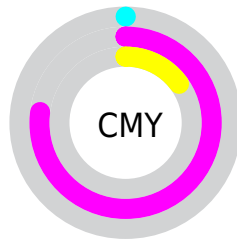


Cyan (0%)

Magenta (77%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (77%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3977, 0.3613, 0.1920 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 29.3977, 0.3613, 0.1920 by changing the saturation by 10% instead.


 29.3977, 0.3613,
0.1920


 29.3977, 0.3613,
0.1920


299.0868, 0.3396,
0.2557

 19.3819, 0.3659,
0.1778


 58.7084, 0.3540,
0.2139

 11.9465, 0.3713,
0.1605


 78.7720, 0.3511,
0.2225


 6.7073, 0.3777,
0.1393


 102.9537, 0.3486,
0.2299

 3.2797, 0.3852,
0.1129

 131.6378, 0.3463,
0.2364

 1.2795, 0.3933,
0.0804

 165.2088, 0.3443,
0.2421

 0.1252, 0.4106,
0.0169

204.0510, 0.3426,

 0.0000, 0.4007,

0.2471

0.0000

248.5489, 0.3410,
0.2516

■ 0.0000, 0.1818,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.3977, 0.3613,
0.1920

■ 29.3977, 0.3613,
0.1920

■ 27.1304, 0.3688,
0.1864

■ 32.9542, 0.3536,
0.2022

■ 25.9402, 0.3760,
0.1855


■ 37.9598, 0.3460,
0.2165

■ 25.6887, 0.3783,
0.1857

■ 44.5558, 0.3387,
0.2339

■ 52.8657, 0.3319,
0.2534

 63.0006, 0.3258,
0.2741

 75.0624, 0.3203,
0.2950

 89.1453, 0.3156,
0.3155

99.9951, 0.3127,
0.3290

Harmonies

Analogous

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



29.3977, 0.2235, 0.1492



29.3977, 0.3613, 0.1920



29.3977, 0.5147, 0.2588

Triad

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



29.3977, 0.3613, 0.1920



29.3977, 0.4586, 0.5256



29.3977, 0.0976, 0.2229

Complementary

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



29.3977, 0.3613, 0.1920



73.2995, 0.2912, 0.5374

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.



29.3977, 0.1324, 0.3716



29.3977, 0.3613, 0.1920



29.3977, 0.3383, 0.6087

Square

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



29.3977, 0.3613, 0.1920



29.3977, 0.5564, 0.4220



29.3977, 0.2196, 0.5602



29.3977, 0.1020, 0.1549

Rectangle

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



29.3977, 0.3613, 0.1920



29.3977, 0.5776, 0.3092



29.3977, 0.2196, 0.5602



29.3977, 0.1040, 0.2622

Sweetspot

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



29.3992, 0.3613, 0.1920



67.4070, 0.3236, 0.2821



12.7854, 0.1831, 0.0962



13.5403, 0.3257, 0.2745



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.



29.3992, 0.3613, 0.1920



26.4033, 0.3726, 0.1854



25.7731, 0.4990, 0.2781



18.2364, 0.3168, 0.3100



13.4474, 0.3771, 0.1851



1.3241, 0.3695, 0.1809

Inverse Universe

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



29.3992, 0.3613, 0.1920



26.4033, 0.3726, 0.1854



76.2829, 0.2535, 0.4099



18.2364, 0.3168, 0.3100



13.4474, 0.3771, 0.1851



1.3241, 0.3695, 0.1809

Previews

White Background



This preview shows how the Yxy color 29.3977, 0.3613, 0.1920 looks on a white background.

Color Contrast Check

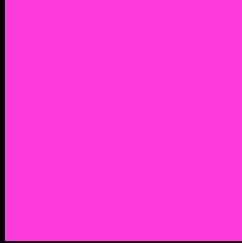
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3977, 0.3613, 0.1920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

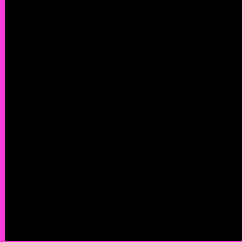
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3977, 0.3613, 0.1920

Background



This preview shows how black text looks on a background with the Yxy color 29.3977, 0.3613, 0.1920.



This preview shows how white text looks on a background with the Yxy color 29.3977, 0.3613, 0.1920.

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

29.3977, 0.3613, 0.1920

Protanopia

29.7632, 0.2048, 0.1844

Deuteranopia

29.6327, 0.2491, 0.2432



Tritanopia

29.3561, 0.4925, 0.3237

Trichromacy



Original Color

29.3977, 0.3613, 0.1920



Protanomaly

25.1297, 0.2407, 0.1714



Deuteranomaly

25.7520, 0.2830, 0.2070



Tritanomaly

28.5557, 0.4466, 0.2689

Monochromacy



Original Color

29.3977, 0.3613, 0.1920



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.0254, 0.3335, 0.2498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3977, 0.3613, 0.1920 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, 59, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 59, 217)  
}
```

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, 59, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 59, 217) }
```

Border

The CSS property to change the border of an element to Yxy 29.3977, 0.3613, 0.1920 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, 59, 217) }
```

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

```
.border{ border-color:rgb(255, 59, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 59, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 59, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 59, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 59,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3977, 0.3613, 0.1920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 59, 217) }
```

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

```
.background{ background-color: rgb(255, 59,  
217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor