

Converting Colors

$Y_{xy}(28.1789, 0.3731, 0.1954)$

Have a look what the booklet for
Yxy(28.1789, 0.3731, 0.1954)
contains.

Yxy(28.1817, 0.3730, 0.1953)	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(28.1817, 0.3730, 0.1953)

Conversions

Conversions Part 1

Format	Color
Hex	FF33D0
RGB	255, 51, 208
RGB Percent	100%, 20%, 82%
CMY	0.0000, 0.8004, 0.1842
CMYK	0.00, 0.80, 0.18, 0.00
HSL	314°, 100%, 60%
HSV	314°, 80%, 100%
XYZ	53.8237, 28.1817, 62.2941
YIQ	129.8940, 71.1870, 92.0750

Conversions

Conversions Part 2

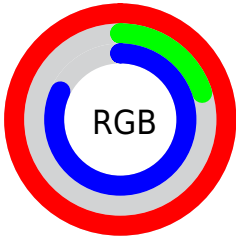
Format	Color
R _Y B	255, 51, 208
Decimal	16724944
CIE _{Lab}	60.05, 85.85, -34.91
CIE _{LCh}	60, 92.677, 337.874
Yxy	28.1817, 0.3730, 0.1953
Android (android.graphics.Color)	4294915024 (0xFFFF33D0)
YUV	129.8940, 38.5063, 109.7180
Hunter-Lab	53.0864, 88.0778, -32.4132

Details

The Yxy color **28.1817, 0.3730, 0.1953** 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 **73.1008, 0.2891, 0.5376**, and the grayscale version is **22.1060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1547, 0.3186, 0.2031**, and **13.7692, 0.3831, 0.1884** is the 20% darker color. If you saturate the color by 10%, you get **26.2444, 0.3821, 0.1918**, and if you desaturate by 10%, it is **31.3343, 0.3636, 0.2035**.

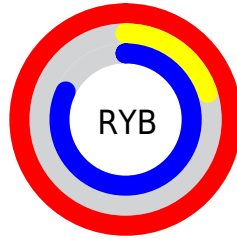
Distribution



Red (100%)

Green (20%)

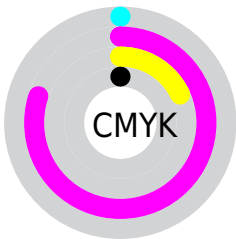
Blue (82%)



Red (100%)

Yellow (20%)

Blue (82%)

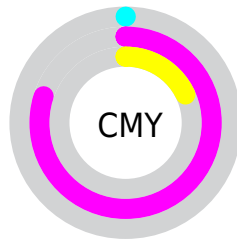


Cyan (0%)

Magenta (80%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1817, 0.3730, 0.1953 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 28.1817, 0.3730, 0.1953 by changing the saturation by 10% instead.


 28.1817, 0.3730,
0.1953


 28.1817, 0.3730,
0.1953


293.3341, 0.3448,
0.2582


 18.4627, 0.3794,
0.1810


 56.7744, 0.3632,
0.2171


 11.2827, 0.3871,
0.1636


 76.4169, 0.3594,
0.2256


 6.2573, 0.3967,
0.1420


 100.1359, 0.3561,
0.2330

 3.0022, 0.4087,
0.1149

 128.3160, 0.3533,
0.2393

 1.1329, 0.4234,
0.0811

 161.3415, 0.3507,
0.2449

 0.0058, 0.4589,
0.0009

199.5967, 0.3485,

 0.0000, 0.4567,

0.2499

0.0000

243.4661, 0.3465,
0.2543

■ 0.0000, 0.0000,
0.0000

■ 28.1817, 0.3730,
0.1953

■ 28.1817, 0.3730,
0.1953

■ 26.2444, 0.3821,
0.1918

■ 31.3343, 0.3636,
0.2035

■ 25.2597, 0.3909,
0.1927

■ 35.8985, 0.3543,
0.2161

■ 42.0139, 0.3455,
0.2320

■ 49.8086, 0.3373,
0.2503

■ 59.3975, 0.3299,
0.2700

 70.8852, 0.3233,
0.2900

 84.3682, 0.3176,
0.3098

99.9366, 0.3127,
0.3289

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.



28.1817, 0.2309, 0.1503



28.1817, 0.3730, 0.1953



28.1817, 0.5252, 0.2635

Triad

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



28.1817, 0.3730, 0.1953



28.1817, 0.4507, 0.5338



28.1817, 0.0957, 0.2148

Complementary

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



28.1817, 0.3730, 0.1953



73.1008, 0.2891, 0.5376

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.



28.1817, 0.1271, 0.3582



28.1817, 0.3730, 0.1953



28.1817, 0.3290, 0.6133

Square

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



28.1817, 0.3730, 0.1953



28.1817, 0.5520, 0.4287



28.1817, 0.2109, 0.5518



28.1817, 0.1026, 0.1513

Rectangle

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



28.1817, 0.3730, 0.1953



28.1817, 0.5831, 0.3142



28.1817, 0.2109, 0.5518



28.1817, 0.1012, 0.2522

Sweetspot

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



28.1746, 0.3730, 0.1953



66.1004, 0.3258, 0.2821



12.0187, 0.1820, 0.0913



13.2834, 0.3282, 0.2749



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.



28.1746, 0.3730, 0.1953



25.5891, 0.3874, 0.1920



24.7175, 0.5211, 0.2852



18.2246, 0.3173, 0.3109



13.2227, 0.3895, 0.1919



1.3040, 0.3800, 0.1867

Inverse Universe

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



28.1746, 0.3730, 0.1953



25.5891, 0.3874, 0.1920



76.2604, 0.2503, 0.4043



18.2246, 0.3173, 0.3109



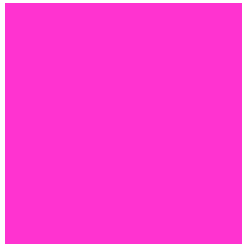
13.2227, 0.3895, 0.1919



1.3040, 0.3800, 0.1867

Previews

White Background



This preview shows how the Yxy color 28.1817, 0.3730, 0.1953 looks on a white background.

Color Contrast Check

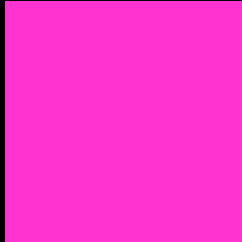
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1817, 0.3730, 0.1953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

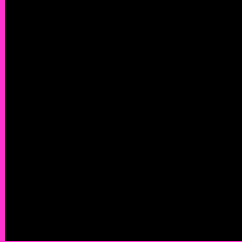
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1817, 0.3730, 0.1953

Background



This preview shows how black text looks on a background with the Yxy color 28.1817, 0.3730, 0.1953.



This preview shows how white text looks on a background with the Yxy color 28.1817, 0.3730, 0.1953.

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

28.1817, 0.3730, 0.1953

Protanopia

28.5451, 0.2012, 0.1796

Deuteranopia

28.3763, 0.2553, 0.2499



Tritanopia

27.9486, 0.5063, 0.3239

Trichromacy



Original Color

28.1817, 0.3730, 0.1953



Protanomaly

23.4775, 0.2385, 0.1669



Deuteranomaly

24.4360, 0.2911, 0.2112



Tritanomaly

27.2825, 0.4610, 0.2716

Monochromacy



Original Color

28.1817, 0.3730, 0.1953



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

20.8899, 0.3382, 0.2479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1817, 0.3730, 0.1953 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 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, 51, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 208) }
```

Border

The CSS property to change the border of an element to Yxy 28.1817, 0.3730, 0.1953 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, 208) }
```

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

```
.border{ border-color:rgb(255, 51, 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, 51, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1817, 0.3730, 0.1953 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, 208) }
```

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

```
.background{ background-color: rgb(255, 51,  
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](#).

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