

Converting Colors

$Y_{xy}(29.3355, 0.3468, 0.1794)$

Have a look what the booklet for
Yxy(29.3355, 0.3468, 0.1794)
contains.

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Color

Yxy(29.3408, 0.3466, 0.1794)

Conversions

Conversions Part 1

Format	Color
Hex	FF33E6
RGB	255, 51, 230
RGB Percent	100%, 20%, 90%
CMY	0.0003, 0.7993, 0.0981
CMYK	0.00, 0.80, 0.10, 0.00
HSL	307°, 100%, 60%
HSV	307°, 80%, 100%
XYZ	56.6863, 29.3408, 77.5225
YIQ	132.4020, 64.1250, 98.9170

Conversions

Conversions Part 2

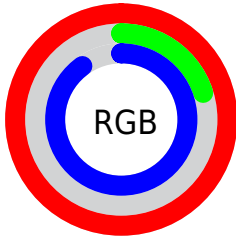
Format	Color
R _Y B	255, 51, 230
Decimal	16724966
CIE Lab	61.08, 88.63, -45.69
CIE LCh	61, 99.709, 332.727
Yxy	29.3408, 0.3466, 0.1794
Android (android.graphics.Color)	4294915046 (0xFFFF33E6)
YUV	132.4020, 48.1158, 107.5184
Hunter-Lab	54.1671, 92.0090, -46.9372

Details

The Yxy color **29.3408, 0.3466, 0.1794** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **72.7105, 0.2955, 0.5593**, and the grayscale version is **23.0621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3991, 0.3186, 0.2039**, and **14.5253, 0.3488, 0.1695** is the 20% darker color. If you saturate the color by 10%, you get **27.5104, 0.3510, 0.1742**, and if you desaturate by 10%, it is **32.3975, 0.3419, 0.1891**.

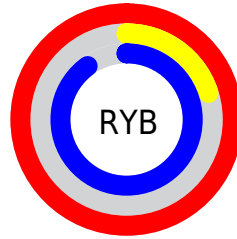
Distribution



Red (100%)

Green (20%)

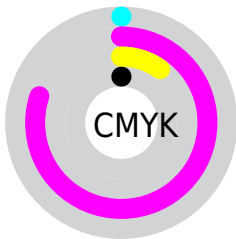
Blue (90%)



Red (100%)

Yellow (20%)

Blue (90%)

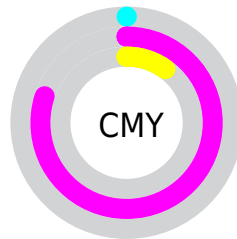


Cyan (0%)

Magenta (80%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3408, 0.3466, 0.1794 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 29.3408, 0.3466, 0.1794 by changing the saturation by 10% instead.


 29.3408, 0.3466,
0.1794


 29.3408, 0.3466,
0.1794


298.8196, 0.3333,
0.2475

 19.3388, 0.3489,
0.1646


 58.6181, 0.3426,
0.2025


 11.9153, 0.3512,
0.1468


 78.6622, 0.3408,
0.2117

 6.6860, 0.3534,
0.1254


 102.8224, 0.3392,
0.2197

 3.2665, 0.3549,
0.0994

 131.4832, 0.3378,
0.2266

 1.2724, 0.3543,
0.0685

 165.0289, 0.3365,
0.2328

 0.1197, 0.3553,
0.0131

203.8439, 0.3353,

 0.0000, 0.3274,

0.2383

0.0000

248.3127, 0.3342,
0.2431

■ 0.0000, 0.1590,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.3408, 0.3466,
0.1794

■ 29.3408, 0.3466,
0.1794

■ 27.5104, 0.3510,
0.1742

■ 32.3975, 0.3419,
0.1891

■ 26.6191, 0.3551,
0.1730

■ 36.8505, 0.3371,
0.2031

■ 26.6139, 0.3552,
0.1730

■ 42.8475, 0.3323,
0.2207

■ 50.5164, 0.3277,
0.2408

■ 59.9716, 0.3233,
0.2626

■ 71.3175, 0.3194,
0.2851

■ 84.6506, 0.3158,
0.3075

99.9850, 0.3127,
0.3290

99.9877, 0.3127,
0.3290

Harmonies

Analogous

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



29.3408, 0.2067, 0.1385



29.3408, 0.3466, 0.1794



29.3408, 0.5136, 0.2461

Triad

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



29.3408, 0.3466, 0.1794



29.3408, 0.4732, 0.5198



29.3408, 0.0898, 0.2262

Complementary

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



29.3408, 0.3466, 0.1794



72.7105, 0.2955, 0.5593

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.



29.3408, 0.1287, 0.3943



29.3408, 0.3466, 0.1794



29.3408, 0.3464, 0.6198

Square

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



29.3408, 0.3466, 0.1794



29.3408, 0.5735, 0.4100



29.3408, 0.2227, 0.5944



29.3408, 0.0917, 0.1503

Rectangle

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



29.3408, 0.3466, 0.1794



29.3408, 0.5874, 0.2969



29.3408, 0.2227, 0.5944



29.3408, 0.0973, 0.2706

Sweetspot

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



29.3422, 0.3466, 0.1794



66.5012, 0.3209, 0.2759



11.0919, 0.1719, 0.0862



13.3811, 0.3224, 0.2679



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.



29.3422, 0.3466, 0.1794



26.9186, 0.3535, 0.1732



25.2227, 0.4888, 0.2658



18.2598, 0.3157, 0.3084



13.9295, 0.3545, 0.1727



1.3666, 0.3501, 0.1703

Inverse Universe

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



29.3422, 0.3466, 0.1794



26.9186, 0.3535, 0.1732



75.3543, 0.2587, 0.4329



18.2598, 0.3157, 0.3084



13.9295, 0.3545, 0.1727



1.3666, 0.3501, 0.1703

Previews

White Background



This preview shows how the Yxy color 29.3408, 0.3466, 0.1794 looks on a white background.

Color Contrast Check

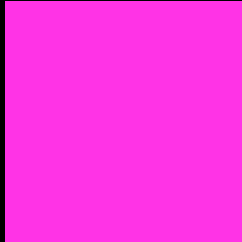
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3408, 0.3466, 0.1794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

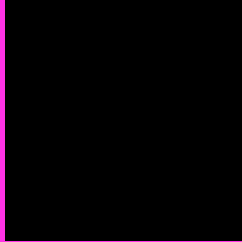
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3408, 0.3466, 0.1794

Background



This preview shows how black text looks on a background with the Yxy color 29.3408, 0.3466, 0.1794.



This preview shows how white text looks on a background with the Yxy color 29.3408, 0.3466, 0.1794.

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

29.3408, 0.3466, 0.1794

Protanopia

29.7079, 0.2043, 0.1842

Deuteranopia

29.7287, 0.2342, 0.2288



Tritanopia

29.2096, 0.4887, 0.3235

Trichromacy



Original Color

29.3408, 0.3466, 0.1794



Protanomaly

24.6757, 0.2365, 0.1642



Deuteranomaly

25.1871, 0.2652, 0.1902



Tritanomaly

28.0431, 0.4380, 0.2615

Monochromacy



Original Color

29.3408, 0.3466, 0.1794



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

21.8748, 0.3280, 0.2388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3408, 0.3466, 0.1794 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 230) }
```

Border

The CSS property to change the border of an element to Yxy 29.3408, 0.3466, 0.1794 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, 230) }
```

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

```
.border{ border-color:rgb(255, 51, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3408, 0.3466, 0.1794 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, 230) }
```

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

```
.background{ background-color: rgb(255, 51,  
230) }
```

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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