

Converting Colors

Yxy(30.6871, 0.3299, 0.1711)

Have a look what the booklet for
Yxy(30.6871, 0.3299, 0.1711)
contains.

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Color

Yxy(30.6809, 0.3304, 0.1714)

Conversions

Conversions Part 1

Format	Color
Hex	FF38F5
RGB	255, 56, 245
RGB Percent	100%, 22%, 96%
CMY	0.0000, 0.7805, 0.0393
CMYK	0.00, 0.78, 0.04, 0.00
HSL	303°, 100%, 61%
HSV	303°, 78%, 100%
XYZ	59.1422, 30.6809, 89.1787
YIQ	137.0470, 57.9350, 100.9670

Conversions

Conversions Part 2

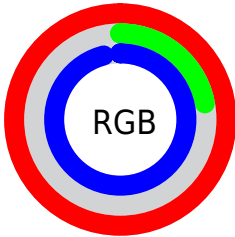
Format	Color
R _Y B	255, 56, 245
Decimal	16726261
CIE Lab	62.24, 89.63, -52.23
CIE LCh	62, 103.743, 329.769
Yxy	30.6809, 0.3304, 0.1714
Android (android.graphics.Color)	4294916341 (0xFFFF38F5)
YUV	137.0470, 53.2208, 103.4448
Hunter-Lab	55.3903, 93.6575, -56.6839

Details

The Yxy color **30.6809, 0.3304, 0.1714** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **72.7527, 0.2991, 0.5671**, and the grayscale version is **24.8037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1472, 0.3185, 0.2063**, and **15.1002, 0.3288, 0.1585** is the 20% darker color. If you saturate the color by 10%, you get **28.7256, 0.3323, 0.1646**, and if you desaturate by 10%, it is **33.8839, 0.3282, 0.1827**.

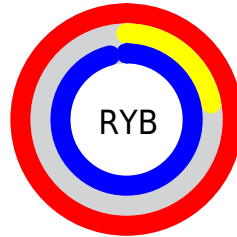
Distribution



Red (100%)

Green (22%)

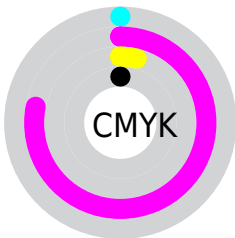
Blue (96%)



Red (100%)

Yellow (22%)

Blue (96%)

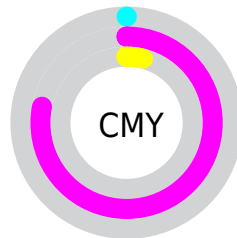


Cyan (0%)

Magenta (78%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (78%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6809, 0.3304, 0.1714 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 30.6809, 0.3304, 0.1714 by changing the saturation by 10% instead.

 30.6809, 0.3304,
0.1714


 30.6809, 0.3304,
0.1714


305.0655, 0.3259,
0.2417

 20.3560, 0.3304,
0.1565


 60.7373, 0.3296,
0.1949


 12.6541, 0.3299,
0.1389


 81.2376, 0.3291,
0.2044


 7.1908, 0.3284,
0.1179


 105.8985, 0.3285,
0.2126

 3.5817, 0.3249,
0.0929

 135.1044, 0.3280,
0.2198

 1.4424, 0.3175,
0.0638

 169.2396, 0.3274,
0.2262

 0.2477, 0.3058,
0.0209

208.6886, 0.3269,

 0.0000, 0.2719,

0.2319

0.0000

253.8358, 0.3263,
0.2371

0.0000, 0.1645,
0.0000

0.0000, 0.0000,
0.0000

30.6809, 0.3304,
0.1714

30.6809, 0.3304,
0.1714

28.7256, 0.3323,
0.1646

33.8839, 0.3282,
0.1827

27.8037, 0.3339,
0.1618

38.5167, 0.3259,
0.1981

27.6810, 0.3342,
0.1615

44.7170, 0.3235,
0.2171

52.6098, 0.3211,
0.2388

62.3076, 0.3187,
0.2621

73.9133, 0.3164,
0.2862

87.5219, 0.3143,
0.3102

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.



30.6809, 0.1940, 0.1332



30.6809, 0.3304, 0.1714



30.6809, 0.5031, 0.2367

Triad

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



30.6809, 0.3304, 0.1714



30.6809, 0.4862, 0.5097



30.6809, 0.0881, 0.2354

Complementary

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



30.6809, 0.3304, 0.1714



72.7527, 0.2991, 0.5671

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.



30.6809, 0.1318, 0.4177



30.6809, 0.3304, 0.1714



30.6809, 0.3573, 0.6180

Square

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



30.6809, 0.3304, 0.1714



30.6809, 0.5844, 0.3992



30.6809, 0.2312, 0.6147



30.6809, 0.0870, 0.1516

Rectangle

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



30.6809, 0.3304, 0.1714



30.6809, 0.5858, 0.2874



30.6809, 0.2312, 0.6147



30.6809, 0.0969, 0.2841

Sweetspot

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



30.6762, 0.3304, 0.1714



67.9293, 0.3175, 0.2743



11.1997, 0.1689, 0.0871



13.6689, 0.3183, 0.2656



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.



30.6762, 0.3304, 0.1714



28.0776, 0.3333, 0.1625



26.1452, 0.4620, 0.2527



18.2837, 0.3146, 0.3067



14.4708, 0.3340, 0.1613



1.4136, 0.3323, 0.1604

Inverse Universe

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



30.6762, 0.3304, 0.1714



28.0776, 0.3333, 0.1625



75.0920, 0.2643, 0.4489



18.2837, 0.3146, 0.3067



14.4708, 0.3340, 0.1613



1.4136, 0.3323, 0.1604

Previews

White Background



This preview shows how the Yxy color 30.6809, 0.3304, 0.1714 looks on a white background.

Color Contrast Check

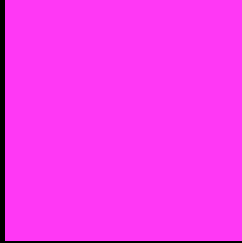
Large Text (above 18pt) WCAG AA × Fail

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 30.6809, 0.3304, 0.1714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

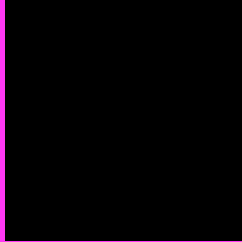
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.6809, 0.3304, 0.1714

Background



This preview shows how black text looks on a background with the Yxy color 30.6809, 0.3304, 0.1714.



This preview shows how white text looks on a background with the Yxy color 30.6809, 0.3304, 0.1714.

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

30.6809, 0.3304, 0.1714

Protanopia

30.9122, 0.2075, 0.1889

Deuteranopia

30.8901, 0.2218, 0.2156



Tritanopia

30.4311, 0.4719, 0.3222

Trichromacy



Original Color

30.6809, 0.3304, 0.1714



Protanomaly

26.2688, 0.2373, 0.1661



Deuteranomaly

26.2866, 0.2495, 0.1801



Tritanomaly

29.1809, 0.4194, 0.2549

Monochromacy



Original Color

30.6809, 0.3304, 0.1714



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.5630, 0.3218, 0.2368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6809, 0.3304, 0.1714 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, 56, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 56, 245)  
}
```

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, 56, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 56, 245) }
```

Border

The CSS property to change the border of an element to Yxy 30.6809, 0.3304, 0.1714 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, 56, 245) }
```

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

```
.border{ border-color:rgb(255, 56, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 56, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 56, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 56, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 56,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6809, 0.3304, 0.1714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 56, 245) }
```

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

```
.background{ background-color: rgb(255, 56,  
245) }
```

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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