

Converting Colors

$Yxy(33.0399, 0.3328, 0.1789)$

Have a look what the booklet for
Yxy(33.0399, 0.3328, 0.1789)
contains.

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Color

Yxy(32.2941, 0.3289, 0.1768)

Conversions

Conversions Part 1

Format	Color
Hex	FF46F6
RGB	255, 70, 246
RGB Percent	100%, 27%, 96%
CMY	0.0000, 0.7257, 0.0351
CMYK	0.00, 0.73, 0.04, 0.00
HSL	303°, 100%, 64%
HSV	303°, 73%, 100%
XYZ	60.0765, 32.2941, 90.2883
YIQ	145.3790, 53.7640, 93.9560

Conversions

Conversions Part 2

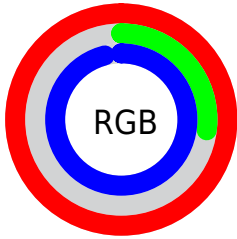
Format	Color
R _{YB}	255, 70, 246
Decimal	16729846
CIE _{Lab}	63.59, 86.06, -50.68
CIE _{LCh}	64, 99.875, 329.506
Yxy	32.2941, 0.3289, 0.1768
Android (android.graphics.Color)	4294919926 (0xFFFF46F6)
YUV	145.3790, 49.6062, 96.1376
Hunter-Lab	56.8279, 89.2553, -54.4206

Details

The Yxy color **32.2941, 0.3289, 0.1768** 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 **73.3835, 0.2995, 0.5537**, and the grayscale version is **28.2448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8079, 0.3181, 0.2144**, and **15.1435, 0.3275, 0.1578** is the 20% darker color. If you saturate the color by 10%, you get **29.6759, 0.3308, 0.1675**, and if you desaturate by 10%, it is **36.2584, 0.3267, 0.1904**.

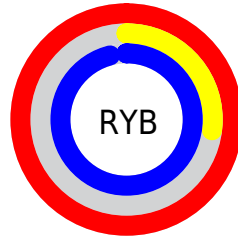
Distribution



Red (100%)

Green (27%)

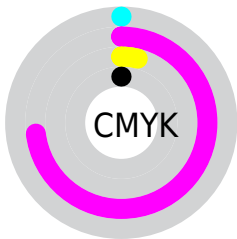
Blue (96%)



Red (100%)

Yellow (27%)

Blue (96%)

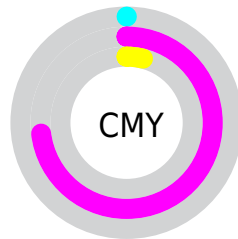


Cyan (0%)

Magenta (73%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (73%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2941, 0.3289, 0.1768 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 32.2941, 0.3289, 0.1768 by changing the saturation by 10% instead.


 32.2941, 0.3289,
0.1768


 32.2941, 0.3289,
0.1768


312.4568, 0.3248,
0.2447


 21.5862, 0.3289,
0.1624


 63.2719, 0.3282,
0.1996


 13.5532, 0.3284,
0.1452


 84.3105, 0.3277,
0.2087

 7.8106, 0.3269,
0.1246


 109.5616, 0.3272,
0.2166

 3.9740, 0.3237,
0.1000

 139.4095, 0.3267,
0.2236

 1.6590, 0.3169,
0.0710

174.2386, 0.3262,
0.2298

 0.3969, 0.3048,
0.0321

214.4332, 0.3257,

 0.0000, 0.2755,

0.2353

0.0000

260.3778, 0.3253,
0.2403

■ 0.0000, 0.1804,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.2941, 0.3289,
0.1768

■ 32.2941, 0.3289,
0.1768

■ 29.6759, 0.3308,
0.1675

■ 36.2584, 0.3267,
0.1904


■ 28.2298, 0.3325,
0.1626

■ 41.7319, 0.3244,
0.2080

■ 27.7102, 0.3337,
0.1612

■ 48.8433, 0.3220,
0.2286

■ 57.7102, 0.3196,
0.2513

 68.4396, 0.3173,
0.2752

 81.1298, 0.3152,
0.2994

 95.8723, 0.3132,
0.3231

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.



32.2941, 0.1983, 0.1395



32.2941, 0.3289, 0.1768



32.2941, 0.4923, 0.2407

Triad

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



32.2941, 0.3289, 0.1768



32.2941, 0.4840, 0.5054



32.2941, 0.0959, 0.2424

Complementary

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



32.2941, 0.3289, 0.1768



73.3835, 0.2995, 0.5537

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.



32.2941, 0.1407, 0.4155



32.2941, 0.3289, 0.1768



32.2941, 0.3618, 0.6057

Square

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



32.2941, 0.3289, 0.1768



32.2941, 0.5763, 0.4010



32.2941, 0.2389, 0.5978



32.2941, 0.0937, 0.1592

Rectangle

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



32.2941, 0.3289, 0.1768



32.2941, 0.5720, 0.2907



32.2941, 0.2389, 0.5978



32.2941, 0.1051, 0.2895

Sweetspot

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



32.2906, 0.3289, 0.1768



69.1071, 0.3172, 0.2766



13.1356, 0.1756, 0.0993



14.1220, 0.3178, 0.2700



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.



32.2906, 0.3289, 0.1768



28.9035, 0.3316, 0.1648



28.0450, 0.4420, 0.2506



18.2843, 0.3146, 0.3067



14.4858, 0.3334, 0.1611



1.4149, 0.3319, 0.1602

Inverse Universe

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



32.2906, 0.3289, 0.1768



28.9035, 0.3316, 0.1648



75.6715, 0.2661, 0.4434



18.2843, 0.3146, 0.3067



14.4858, 0.3334, 0.1611



1.4149, 0.3319, 0.1602

Previews

White Background



This preview shows how the Yxy color 32.2941, 0.3289, 0.1768 looks on a white background.

Color Contrast Check

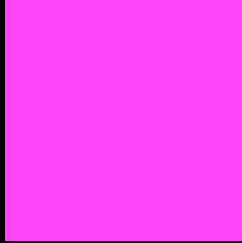
Large Text (above 18pt) WCAG AA × Fail

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 32.2941, 0.3289, 0.1768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

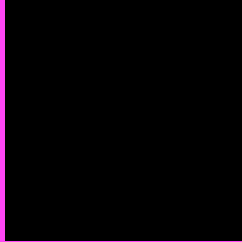
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2941, 0.3289, 0.1768

Background



This preview shows how black text looks on a background with the Yxy color 32.2941, 0.3289, 0.1768.



This preview shows how white text looks on a background with the Yxy color 32.2941, 0.3289, 0.1768.

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

32.2941, 0.3289, 0.1768

Protanopia

32.6682, 0.2125, 0.1953

Deuteranopia

32.3787, 0.2261, 0.2199



Tritanopia

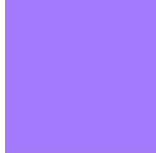
31.8915, 0.4592, 0.3210

Trichromacy



Original Color

32.2941, 0.3289, 0.1768



Protanomaly

28.7339, 0.2418, 0.1753



Deuteranomaly

28.5545, 0.2540, 0.1886



Tritanomaly

30.8954, 0.4114, 0.2585

Monochromacy



Original Color

32.2941, 0.3289, 0.1768



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

26.6486, 0.3201, 0.2442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2941, 0.3289, 0.1768 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, 70, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 70, 246)  
}
```

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, 70, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 70, 246) }
```

Border

The CSS property to change the border of an element to Yxy 32.2941, 0.3289, 0.1768 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, 70, 246) }
```

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

```
.border{ border-color:rgb(255, 70, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 70, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 70, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 70, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 70,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2941, 0.3289, 0.1768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 70, 246) }
```

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

```
.background{ background-color: rgb(255, 70,  
246) }
```

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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