

Converting Colors

$Y_{xy}(28.3357, 0.3666, 0.1910)$

Have a look what the booklet for
Yxy(28.3357, 0.3666, 0.1910)
contains.

Yxy(28.3453, 0.3668, 0.1911)	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(28.3453, 0.3668, 0.1911)

Conversions

Conversions Part 1

Format	Color
Hex	FF32D5
RGB	255, 50, 213
RGB Percent	100%, 20%, 84%
CMY	0.0000, 0.8043, 0.1646
CMYK	0.00, 0.80, 0.16, 0.00
HSL	312°, 100%, 60%
HSV	312°, 80%, 100%
XYZ	54.4064, 28.3453, 65.5754
YIQ	129.8770, 69.8570, 94.1530

Conversions

Conversions Part 2

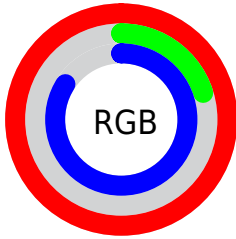
Format	Color
R _Y B	255, 50, 213
Decimal	16724693
CIE _{Lab}	60.20, 86.71, -37.52
CIE _{LCh}	60, 94.476, 336.601
Yxy	28.3453, 0.3668, 0.1911
Android (android.graphics.Color)	4294914773 (0xFFFF32D5)
YUV	129.8770, 40.9796, 109.7329
Hunter-Lab	53.2403, 89.2389, -35.7585

Details

The Yxy color **28.3453, 0.3668, 0.1911** 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 **72.9658, 0.2908, 0.5442**, and the grayscale version is **22.0899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9129, 0.3187, 0.2023**, and **13.9380, 0.3744, 0.1836** is the 20% darker color. If you saturate the color by 10%, you get **26.4746, 0.3747, 0.1874**, and if you desaturate by 10%, it is **31.4211, 0.3586, 0.1995**.

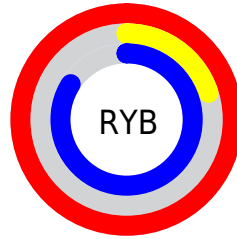
Distribution



Red (100%)

Green (20%)

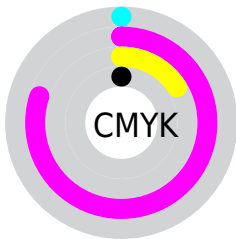
Blue (84%)



Red (100%)

Yellow (20%)

Blue (84%)

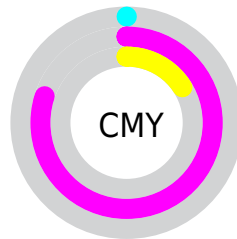


Cyan (0%)

Magenta (80%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3453, 0.3668, 0.1911 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 28.3453, 0.3668, 0.1911 by changing the saturation by 10% instead.


 28.3453, 0.3668,
0.1911


 28.3453, 0.3668,
0.1911


294.1132, 0.3421,
0.2555


 18.5861, 0.3722,
0.1766


 57.0353, 0.3584,
0.2133

 11.3716, 0.3786,
0.1591


 76.7348, 0.3551,
0.2220


 6.3174, 0.3863,
0.1374


 100.5166, 0.3522,
0.2295

 3.0390, 0.3955,
0.1105

 128.7651, 0.3497,
0.2361

 1.1521, 0.4061,
0.0773

 161.8646, 0.3475,
0.2418

 0.0221, 0.4318,
0.0033

200.1995, 0.3455,

 0.0000, 0.4212,

0.2469

0.0000

244.1543, 0.3437,
0.2514

■ 0.0000, 0.1231,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.3453, 0.3668,
0.1911

■ 28.3453, 0.3668,
0.1911

■ 26.4746, 0.3747,
0.1874

■ 31.4211, 0.3586,
0.1995

■ 25.5633, 0.3819,
0.1878

■ 35.9001, 0.3504,
0.2123

■ 41.9227, 0.3426,
0.2285

■ 49.6176, 0.3353,
0.2472

■ 59.1000, 0.3286,
0.2673

■ 70.4749, 0.3226,
0.2880

■ 83.8392, 0.3174,
0.3084

99.2830, 0.3129,
0.3282

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.



28.3453, 0.2247, 0.1470



28.3453, 0.3668, 0.1911



28.3453, 0.5233, 0.2590

Triad

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



28.3453, 0.3668, 0.1911



28.3453, 0.4561, 0.5308



28.3453, 0.0938, 0.2170

Complementary

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



28.3453, 0.3668, 0.1911



72.9658, 0.2908, 0.5442

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.



28.3453, 0.1270, 0.3666



28.3453, 0.3668, 0.1911



28.3453, 0.3331, 0.6162

Square

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



28.3453, 0.3668, 0.1911



28.3453, 0.5577, 0.4242



28.3453, 0.2134, 0.5631



28.3453, 0.0995, 0.1506

Rectangle

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



28.3453, 0.3668, 0.1911



28.3453, 0.5851, 0.3098



28.3453, 0.2134, 0.5631



28.3453, 0.0998, 0.2561

Sweetspot

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



28.3380, 0.3668, 0.1911



66.1941, 0.3247, 0.2806



11.7122, 0.1796, 0.0895



13.3062, 0.3268, 0.2732



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.



28.3380, 0.3668, 0.1911



25.8043, 0.3797, 0.1874



24.6894, 0.5174, 0.2822



18.2329, 0.3169, 0.3103



13.3796, 0.3807, 0.1871



1.3181, 0.3726, 0.1826

Inverse Universe

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



28.3380, 0.3668, 0.1911



25.8043, 0.3797, 0.1874



76.0667, 0.2517, 0.4095



18.2329, 0.3169, 0.3103



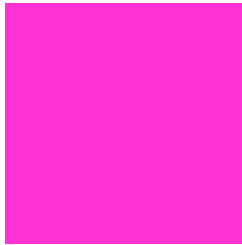
13.3796, 0.3807, 0.1871



1.3181, 0.3726, 0.1826

Previews

White Background



This preview shows how the Yxy color 28.3453, 0.3668, 0.1911 looks on a white background.

Color Contrast Check

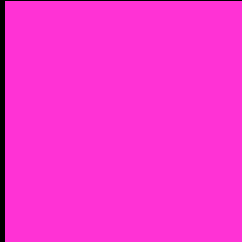
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3453, 0.3668, 0.1911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

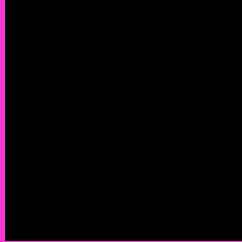
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3453, 0.3668, 0.1911

Background



This preview shows how black text looks on a background with the Yxy color 28.3453, 0.3668, 0.1911.

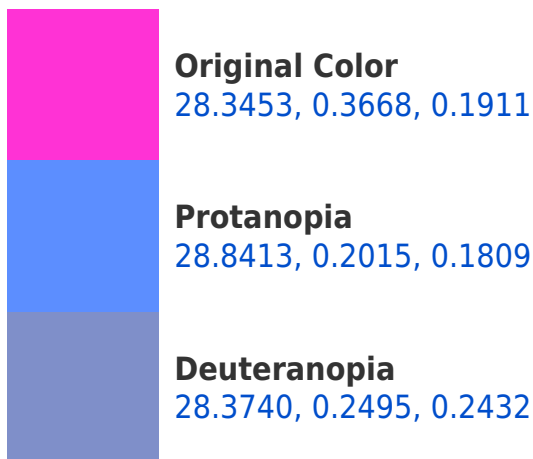


This preview shows how white text looks on a background with the Yxy color 28.3453, 0.3668, 0.1911.

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





Tritanopia

28.1420, 0.5043, 0.3239

Trichromacy



Original Color

28.3453, 0.3668, 0.1911



Protanomaly

23.8079, 0.2375, 0.1665



Deuteranomaly

24.3437, 0.2853, 0.2046



Tritanomaly

27.3409, 0.4580, 0.2695

Monochromacy



Original Color

28.3453, 0.3668, 0.1911



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

20.9594, 0.3357, 0.2453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3453, 0.3668, 0.1911 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, 50, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 50, 213)  
}
```

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, 50, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 50, 213) }
```

Border

The CSS property to change the border of an element to Yxy 28.3453, 0.3668, 0.1911 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, 50, 213) }
```

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

```
.border{ border-color:rgb(255, 50, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 50, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 50, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 50, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 50,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3453, 0.3668, 0.1911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 50, 213) }
```

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

```
.background{ background-color: rgb(255, 50,  
213) }
```

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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