

Converting Colors

$Y_{xy}(29.5010, 0.3325, 0.1681)$

Have a look what the booklet for
Yxy(29.5010, 0.3325, 0.1681)
contains.

Yxy(29.4588, 0.3328, 0.1682)	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(29.4588, 0.3328, 0.1682)

Conversions

Conversions Part 1

Format	Color
Hex	FF2BF3
RGB	255, 43, 243
RGB Percent	100%, 17%, 95%
CMY	0.0000, 0.8315, 0.0471
CMYK	0.00, 0.83, 0.05, 0.00
HSL	303°, 100%, 58%
HSV	303°, 83%, 100%
XYZ	58.2871, 29.4588, 87.3956
YIQ	129.1880, 62.1520, 107.1440

Conversions

Conversions Part 2

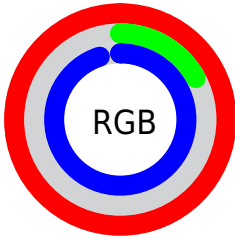
Format	Color
R _Y B	255, 43, 243
Decimal	16722931
CIE Lab	61.18, 92.11, -52.79
CIE LCh	61, 106.162, 330.180
Yxy	29.4588, 0.3328, 0.1682
Android (android.graphics.Color)	4294913011 (0xFFFF2BF3)
YUV	129.1880, 56.1093, 110.3371
Hunter-Lab	54.2760, 96.7087, -57.4761

Details

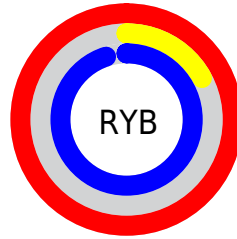
The Yxy color **29.4588, 0.3328, 0.1682** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **72.3082, 0.2987, 0.5769**, and the grayscale version is **21.7956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4369, 0.3187, 0.2008**, and **15.0145, 0.3315, 0.1600** is the 20% darker color. If you saturate the color by 10%, you get **28.0584, 0.3347, 0.1636**, and if you desaturate by 10%, it is **32.0075, 0.3305, 0.1771**.

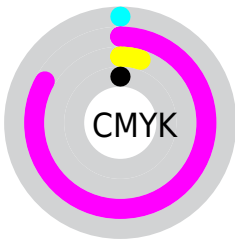
Distribution



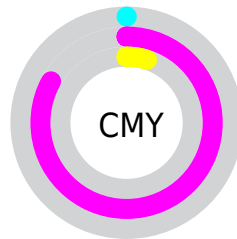
- Red (100%)
- Green (17%)
- Blue (95%)



- Red (100%)
- Yellow (17%)
- Blue (95%)



- Cyan (0%)
- Magenta (83%)
- Yellow (5%)
- Black (0%)





- Cyan (0%)
- Magenta (83%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4588, 0.3328, 0.1682 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 29.4588, 0.3328, 0.1682 by changing the saturation by 10% instead.


 29.4588, 0.3328,
0.1682


 29.4588, 0.3328,
0.1682


299.3736, 0.3272,
0.2400

 19.4282, 0.3330,
0.1530


 58.8052, 0.3317,
0.1922


 11.9801, 0.3327,
0.1350


 78.8898, 0.3310,
0.2019


 6.7301, 0.3314,
0.1137


 103.0946, 0.3303,
0.2103

 3.2939, 0.3280,
0.0884

 131.8038, 0.3297,
0.2177

 1.2870, 0.3207,
0.0592

 165.4019, 0.3290,
0.2242

 0.1311, 0.3104,
0.0117

204.2733, 0.3284,

 0.0000, 0.2733,

0.2300

0.0000

248.8024, 0.3278,
0.2353

■ 0.0000, 0.1519,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.4588, 0.3328,
0.1682

■ 29.4588, 0.3328,
0.1682

■ 28.0584, 0.3347,
0.1636

■ 32.0075, 0.3305,
0.1771

■ 27.5840, 0.3359,
0.1624


■ 35.9038, 0.3281,
0.1905

■ 41.2978, 0.3255,
0.2077

■ 48.3225, 0.3229,
0.2280

 57.0963, 0.3203,
0.2506

 67.7267, 0.3178,
0.2742

 80.3126, 0.3155,
0.2982

 94.9458, 0.3133,
0.3218

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.



29.4588, 0.1920, 0.1292



29.4588, 0.3328, 0.1682



29.4588, 0.5118, 0.2346

Triad

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



29.4588, 0.3328, 0.1682



29.4588, 0.4866, 0.5134



29.4588, 0.0829, 0.2296

Complementary

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



29.4588, 0.3328, 0.1682



72.3082, 0.2987, 0.5769

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.



29.4588, 0.1252, 0.4172



29.4588, 0.3328, 0.1682



29.4588, 0.3527, 0.6269

Square

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



29.4588, 0.3328, 0.1682



29.4588, 0.5890, 0.3984



29.4588, 0.2249, 0.6256



29.4588, 0.0827, 0.1462

Rectangle

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



29.4588, 0.3328, 0.1682



29.4588, 0.5959, 0.2857



29.4588, 0.2249, 0.6256



29.4588, 0.0911, 0.2790

Sweetspot

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



29.4548, 0.3328, 0.1682



65.6203, 0.3183, 0.2698



9.7167, 0.1626, 0.0774



13.2261, 0.3191, 0.2615



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.



29.4548, 0.3328, 0.1682



27.5840, 0.3359, 0.1624



24.8305, 0.4764, 0.2532



18.2816, 0.3147, 0.3069



14.4210, 0.3357, 0.1623



1.4093, 0.3338, 0.1613

Inverse Universe

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



29.4548, 0.3328, 0.1682



27.5840, 0.3359, 0.1624



74.5561, 0.2645, 0.4579



18.2816, 0.3147, 0.3069



14.4210, 0.3357, 0.1623



1.4093, 0.3338, 0.1613

Previews

White Background



This preview shows how the Yxy color 29.4588, 0.3328, 0.1682 looks on a white background.

Color Contrast Check

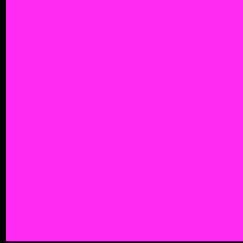
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4588, 0.3328, 0.1682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

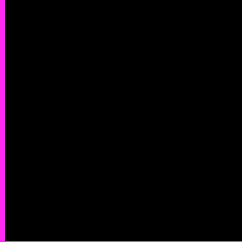
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4588, 0.3328, 0.1682

Background



This preview shows how black text looks on a background with the Yxy color 29.4588, 0.3328, 0.1682.



This preview shows how white text looks on a background with the Yxy color 29.4588, 0.3328, 0.1682.

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

29.4588, 0.3328, 0.1682

Protanopia

30.0122, 0.2046, 0.1855

Deuteranopia

29.9011, 0.2209, 0.2153



Tritanopia

29.2862, 0.4830, 0.3234

Trichromacy



Original Color

29.4588, 0.3328, 0.1682



Protanomaly

24.5602, 0.2333, 0.1587



Deuteranomaly

24.5660, 0.2490, 0.1752



Tritanomaly

27.9120, 0.4285, 0.2543

Monochromacy



Original Color

29.4588, 0.3328, 0.1682



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.7516, 0.3236, 0.2292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4588, 0.3328, 0.1682 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, 43, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 43, 243)  
}
```

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, 43, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 43, 243) }
```

Border

The CSS property to change the border of an element to Yxy 29.4588, 0.3328, 0.1682 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, 43, 243) }
```

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

```
.border{ border-color:rgb(255, 43, 243) }
```

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

Here you see how a box with a 4 pixel rgb(255, 43, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 43, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 43, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 43,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4588, 0.3328, 0.1682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 43, 243) }
```

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

```
.background{ background-color: rgb(255, 43,  
243) }
```

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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