

Converting Colors

Yxy(29.6560, 0.3171, 0.1597)

Have a look what the booklet for
Yxy(29.6560, 0.3171, 0.1597)
contains.

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Color

Yxy(29.6060, 0.3167, 0.1595)

Conversions

Conversions Part 1

Format	Color
Hex	FB2DFF
RGB	251, 45, 255
RGB Percent	98%, 18%, 100%
CMY	0.0155, 0.8239, 0.0000
CMYK	0.02, 0.82, 0.00, 0.00
HSL	299°, 100%, 59%
HSV	299°, 82%, 100%
XYZ	58.7851, 29.6060, 97.2265
YIQ	130.5340, 55.3660, 108.9820

Conversions

Conversions Part 2

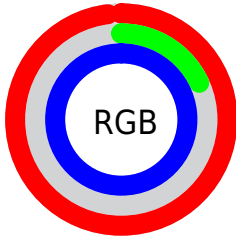
Format	Color
R _Y B	251, 45, 255
Decimal	16461311
CIE Lab	61.31, 92.76, -59.29
CIE LCh	61, 110.091, 327.412
Yxy	29.6060, 0.3167, 0.1595
Android (android.graphics.Color)	4294651391 (0xFFFB2DFF)
YUV	130.5340, 61.3617, 105.6487
Hunter-Lab	54.4114, 97.6282, -67.8560

Details

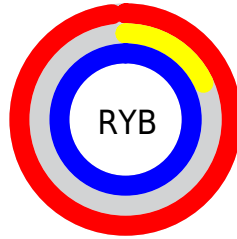
The Yxy color **29.6060, 0.3167, 0.1595** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **72.3578, 0.3016, 0.5821**, and the grayscale version is **22.2681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6737, 0.3187, 0.2016**, and **14.9784, 0.3120, 0.1493** is the 20% darker color. If you saturate the color by 10%, you get **28.1286, 0.3164, 0.1537**, and if you desaturate by 10%, it is **32.2575, 0.3168, 0.1696**.

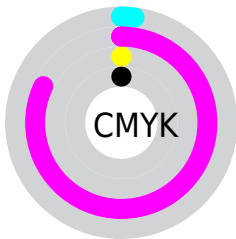
Distribution



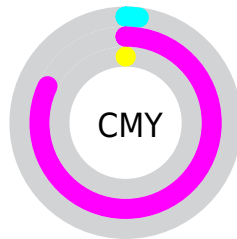
- Red (98%)
- Green (18%)
- Blue (100%)



- Red (98%)
- Yellow (18%)
- Blue (100%)



- Cyan (2%)
- Magenta (82%)
- Yellow (0%)
- Black (0%)




- Cyan (2%)
- Magenta (82%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6060, 0.3167, 0.1595 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 29.6060, 0.3167, 0.1595 by changing the saturation by 10% instead.

 29.6060, 0.3167,
0.1595


 29.6060, 0.3167,
0.1595


300.0636, 0.3197,
0.2340

 19.5397, 0.3148,
0.1441


 59.0385, 0.3187,
0.1842

 12.0609, 0.3118,
0.1260


 79.1736, 0.3192,
0.1941


 6.7852, 0.3070,
0.1049


 103.4337, 0.3196,
0.2028

 3.3281, 0.2992,
0.0803

 132.2032, 0.3197,
0.2105

 1.3053, 0.2861,
0.0527

 165.8666, 0.3198,
0.2174

 0.1453, 0.2671,
0.0109

204.8081, 0.3198,

 0.0000, 0.2239,

0.2235

0.0000

249.4124, 0.3198,
0.2290

■ 0.0000, 0.1182,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.6060, 0.3167,
0.1595

■ 29.6060, 0.3167,
0.1595

■ 28.1286, 0.3164,
0.1537

■ 32.2575, 0.3168,
0.1696

■ 27.5818, 0.3161,
0.1515


■ 36.2636, 0.3167,
0.1841

■ 41.7776, 0.3164,
0.2025

■ 48.9314, 0.3159,
0.2241

 57.8423, 0.3153,
0.2479

 68.6172, 0.3145,
0.2730

 81.3543, 0.3137,
0.2983

 96.1449, 0.3129,
0.3232

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.



29.6060, 0.1790, 0.1231



29.6060, 0.3167, 0.1595



29.6060, 0.5024, 0.2246

Triad

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



29.6060, 0.3167, 0.1595



29.6060, 0.4984, 0.5016



29.6060, 0.0799, 0.2382

Complementary

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



29.6060, 0.3167, 0.1595



72.3578, 0.3016, 0.5821

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.



29.6060, 0.1266, 0.4430



29.6060, 0.3167, 0.1595



29.6060, 0.3625, 0.6257

Square

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



29.6060, 0.3167, 0.1595



29.6060, 0.6012, 0.3870



29.6060, 0.2314, 0.6479



29.6060, 0.0772, 0.1462

Rectangle

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



29.6060, 0.3167, 0.1595



29.6060, 0.5962, 0.2757



29.6060, 0.2314, 0.6479



29.6060, 0.0893, 0.2926

Sweetspot

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



29.6071, 0.3167, 0.1595



65.6241, 0.3147, 0.2664



10.2225, 0.1614, 0.0811



13.2270, 0.3150, 0.2576



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.



29.6071, 0.3167, 0.1595



27.6461, 0.3162, 0.1518



25.5614, 0.4465, 0.2365



18.2819, 0.3135, 0.3056



14.4200, 0.3162, 0.1516



1.4094, 0.3168, 0.1519

Inverse Universe

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



23.3493, 0.5999, 0.3279



21.3313, 0.6376, 0.3292



74.0570, 0.2715, 0.4812



17.9926, 0.3292, 0.3286



11.1167, 0.6382, 0.3289



1.0843, 0.6336, 0.3264

Previews

White Background



This preview shows how the Yxy color 29.6060, 0.3167, 0.1595 looks on a white background.

Color Contrast Check

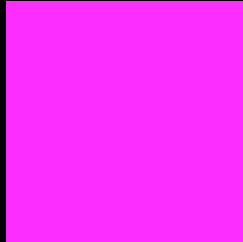
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6060, 0.3167, 0.1595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

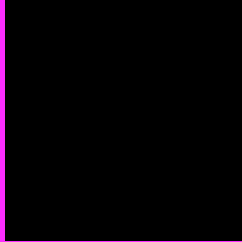
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6060, 0.3167, 0.1595

Background



This preview shows how black text looks on a background with the Yxy color 29.6060, 0.3167, 0.1595.



This preview shows how white text looks on a background with the Yxy color 29.6060, 0.3167, 0.1595.

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

29.6060, 0.3167, 0.1595

Protanopia

30.0122, 0.2046, 0.1855

Deuteranopia

30.0699, 0.2085, 0.2026



Tritanopia

29.1851, 0.4668, 0.3209

Trichromacy



Original Color

29.6060, 0.3167, 0.1595



Protanomaly

24.9296, 0.2304, 0.1567



Deuteranomaly

24.4123, 0.2327, 0.1636



Tritanomaly

27.7580, 0.4109, 0.2467

Monochromacy



Original Color

29.6060, 0.3167, 0.1595



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

21.0175, 0.3164, 0.2242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6060, 0.3167, 0.1595 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(251, 45, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 45, 255)  
}
```

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(251, 45, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 45, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.6060, 0.3167, 0.1595 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(251, 45, 255) }
```

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

```
.border{ border-color:rgb(251, 45, 255) }
```

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

Here you see how a box with a 4 pixel rgb(251, 45, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 45, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 45, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 45,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6060, 0.3167, 0.1595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 45, 255) }
```

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

```
.background{ background-color: rgb(251, 45,  
255) }
```

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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