

Converting Colors

$Y_{xy}(30.1941, 0.3171, 0.1617)$

Have a look what the booklet for
Yxy(30.1941, 0.3171, 0.1617)
contains.

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Color

Yxy(30.2831, 0.3176, 0.1620)

Conversions

Conversions Part 1

Format	Color
Hex	FC33FF
RGB	252, 51, 255
RGB Percent	99%, 20%, 100%
CMY	0.0118, 0.7997, 0.0002
CMYK	0.01, 0.80, 0.00, 0.00
HSL	299°, 100%, 60%
HSV	299°, 80%, 100%
XYZ	59.3698, 30.2831, 97.2798
YIQ	134.3550, 54.3120, 106.0560

Conversions

Conversions Part 2

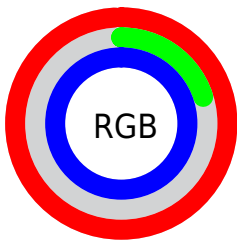
Format	Color
R _{YB}	252, 51, 255
Decimal	16528383
CIE _{Lab}	61.90, 91.65, -58.32
CIE _{LCh}	62, 108.628, 327.528
Yxy	30.2831, 0.3176, 0.1620
Android (android.graphics.Color)	4294718463 (0xFFFC33FF)
YUV	134.3550, 59.4780, 103.1747
Hunter-Lab	55.0301, 96.2741, -66.2892

Details

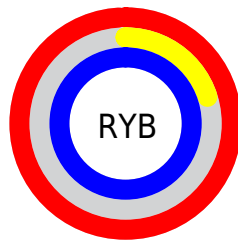
The Yxy color **30.2831, 0.3176, 0.1620** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **72.5115, 0.3017, 0.5777**, and the grayscale version is **23.7518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3991, 0.3186, 0.2039**, and **15.1076, 0.3133, 0.1500** is the 20% darker color. If you saturate the color by 10%, you get **28.5620, 0.3175, 0.1553**, and if you desaturate by 10%, it is **33.2267, 0.3175, 0.1731**.

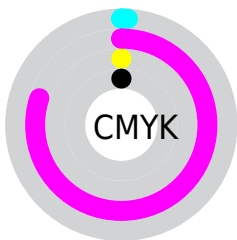
Distribution



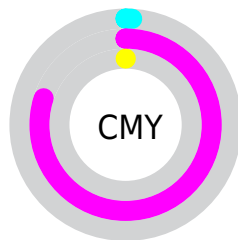
- Red (99%)
- Green (20%)
- Blue (100%)



- Red (99%)
- Yellow (20%)
- Blue (100%)



- Cyan (1%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (1%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2831, 0.3176, 0.1620 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 30.2831, 0.3176, 0.1620 by changing the saturation by 10% instead.


 30.2831, 0.3176,
0.1620


 30.2831, 0.3176,
0.1620


303.2218, 0.3200,
0.2354


 20.0536, 0.3159,
0.1468


 60.1096, 0.3194,
0.1863


 12.4340, 0.3131,
0.1289


 80.4754, 0.3198,
0.1962


 7.0400, 0.3087,
0.1079


 104.9886, 0.3200,
0.2048

 3.4871, 0.3014,
0.0834

 134.0338, 0.3202,
0.2124

 1.3910, 0.2890,
0.0556

 167.9954, 0.3202,
0.2191

 0.2101, 0.2705,
0.0155

207.2576, 0.3202,

 0.0000, 0.2296,

0.2251

0.0000

252.2050, 0.3201,
0.2305

■ 0.0000, 0.1299,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.2831, 0.3176,
0.1620

■ 30.2831, 0.3176,
0.1620

■ 28.5620, 0.3175,
0.1553

■ 33.2267, 0.3175,
0.1731


■ 27.7749, 0.3172,
0.1521


■ 37.5631, 0.3172,
0.1885


■ 27.7730, 0.3172,
0.1521

■ 43.4402, 0.3168,
0.2077

■ 50.9857, 0.3161,
0.2299

 60.3143, 0.3154,
0.2540

 71.5303, 0.3145,
0.2791

 84.7302, 0.3136,
0.3044

99.9871, 0.3127,
0.3291

99.9967, 0.3127,
0.3291

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.2831, 0.1814, 0.1257



30.2831, 0.3176, 0.1620



30.2831, 0.4995, 0.2268

Triad

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



30.2831, 0.3176, 0.1620



30.2831, 0.4977, 0.5023



30.2831, 0.0827, 0.2399

Complementary

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



30.2831, 0.3176, 0.1620



72.5115, 0.3017, 0.5777

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.



30.2831, 0.1296, 0.4399



30.2831, 0.3176, 0.1620



30.2831, 0.3635, 0.6216

Square

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



30.2831, 0.3176, 0.1620



30.2831, 0.5976, 0.3889



30.2831, 0.2338, 0.6400



30.2831, 0.0798, 0.1488

Rectangle

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



30.2831, 0.3176, 0.1620



30.2831, 0.5914, 0.2777



30.2831, 0.2338, 0.6400



30.2831, 0.0922, 0.2934

Sweetspot

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



30.2845, 0.3176, 0.1620



66.8068, 0.3149, 0.2689



10.6041, 0.1636, 0.0836



13.4559, 0.3152, 0.2600



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.



30.2845, 0.3176, 0.1620



28.0348, 0.3174, 0.1531



26.0378, 0.4461, 0.2398



18.2862, 0.3136, 0.3056



14.5248, 0.3173, 0.1522



1.4184, 0.3177, 0.1524

Inverse Universe

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



23.8903, 0.5917, 0.3282



21.5124, 0.6343, 0.3294



74.3820, 0.2699, 0.4715



17.9913, 0.3292, 0.3287



11.1149, 0.6386, 0.3292



1.0837, 0.6351, 0.3272

Previews

White Background



This preview shows how the Yxy color 30.2831, 0.3176, 0.1620 looks on a white background.

Color Contrast Check

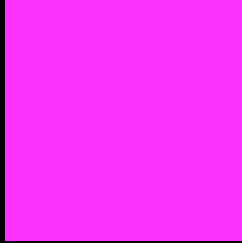
Large Text (above 18pt) WCAG AA × Fail

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 30.2831, 0.3176, 0.1620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

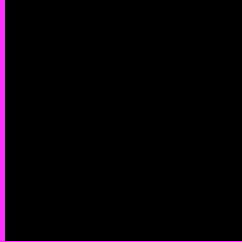
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2831, 0.3176, 0.1620

Background



This preview shows how black text looks on a background with the Yxy color 30.2831, 0.3176, 0.1620.



This preview shows how white text looks on a background with the Yxy color 30.2831, 0.3176, 0.1620.

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

30.2831, 0.3176, 0.1620

Protanopia

30.4871, 0.2063, 0.1873

Deuteranopia

30.5965, 0.2106, 0.2046



Tritanopia

29.8189, 0.4639, 0.3209

Trichromacy



Original Color

30.2831, 0.3176, 0.1620



Protanomaly

25.5574, 0.2323, 0.1593



Deuteranomaly

25.3638, 0.2355, 0.1678

Tritanomaly

28.4837, 0.4085, 0.2475

Monochromacy



Original Color

30.2831, 0.3176, 0.1620



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

22.4621, 0.3163, 0.2283

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2831, 0.3176, 0.1620 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(252, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(252, 51, 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(252, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.2831, 0.3176, 0.1620 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(252, 51, 255) }
```

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

```
.border{ border-color:rgb(252, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2831, 0.3176, 0.1620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 51, 255) }
```

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

```
.background{ background-color: rgb(252, 51,  
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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