

Converting Colors

Yxy(30.6848, 0.3196, 0.1630)

Have a look what the booklet for
Yxy(30.6848, 0.3196, 0.1630)
contains.

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Color

Yxy(30.6585, 0.3195, 0.1630)

Conversions

Conversions Part 1

Format	Color
Hex	FE33FF
RGB	254, 51, 255
RGB Percent	100%, 20%, 100%
CMY	0.0040, 0.7996, 0.0001
CMYK	0.00, 0.80, 0.00, 0.00
HSL	300°, 100%, 60%
HSV	300°, 80%, 100%
XYZ	60.0944, 30.6585, 97.3360
YIQ	134.9530, 55.5040, 106.4800

Conversions

Conversions Part 2

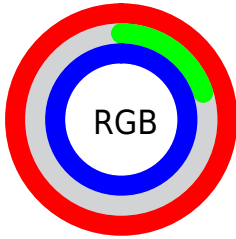
Format	Color
R _Y B	254, 51, 255
Decimal	16659455
CIE Lab	62.22, 92.00, -57.81
CIE LCh	62, 108.649, 327.857
Yxy	30.6585, 0.3195, 0.1630
Android (android.graphics.Color)	4294849535 (0xFFFE33FF)
YUV	134.9530, 59.1832, 104.4042
Hunter-Lab	55.3701, 96.8323, -65.4678

Details

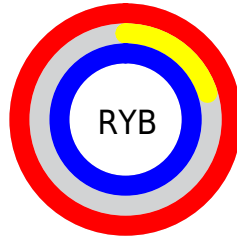
The Yxy color **30.6585, 0.3195, 0.1630** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **72.4766, 0.3012, 0.5780**, and the grayscale version is **23.9903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3991, 0.3186, 0.2039**, and **15.3687, 0.3158, 0.1514** is the 20% darker color. If you saturate the color by 10%, you get **28.9809, 0.3197, 0.1564**, and if you desaturate by 10%, it is **33.5590, 0.3191, 0.1739**.

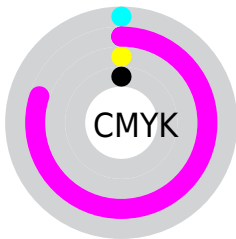
Distribution



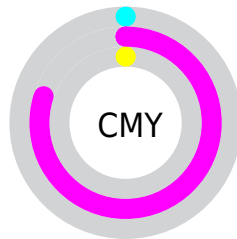
- Red (100%)
- Green (20%)
- Blue (100%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6585, 0.3195, 0.1630 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 30.6585, 0.3195, 0.1630 by changing the saturation by 10% instead.


 30.6585, 0.3195,
0.1630


 30.6585, 0.3195,
0.1630


304.9619, 0.3209,
0.2359

 20.3389, 0.3180,
0.1479


 60.7020, 0.3209,
0.1872

 12.6417, 0.3156,
0.1301


 81.1948, 0.3212,
0.1969


 7.1823, 0.3116,
0.1092


 105.8474, 0.3213,
0.2055

 3.5763, 0.3049,
0.0847

 135.0442, 0.3213,
0.2130

 1.4395, 0.2933,
0.0570

 169.1697, 0.3213,
0.2197

 0.2456, 0.2756,
0.0180

208.6082, 0.3212,

 0.0000, 0.2366,

0.2257

0.0000

253.7442, 0.3211,
0.2311

■ 0.0000, 0.1438,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.6585, 0.3195,
0.1630

■ 30.6585, 0.3195,
0.1630

■ 28.9809, 0.3197,
0.1564

■ 33.5590, 0.3191,
0.1739


■ 28.2381, 0.3197,
0.1535

■ 37.8528, 0.3186,
0.1891


■ 28.2356, 0.3197,
0.1535

■ 43.6876, 0.3178,
0.2081

■ 51.1914, 0.3169,
0.2301

 60.4785, 0.3159,
0.2542

 71.6537, 0.3149,
0.2792

 84.8131, 0.3138,
0.3045

99.9936, 0.3127,
0.3290

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



30.6585, 0.1829, 0.1264



30.6585, 0.3195, 0.1630



30.6585, 0.5007, 0.2280

Triad

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



30.6585, 0.3195, 0.1630



30.6585, 0.4963, 0.5037



30.6585, 0.0830, 0.2388

Complementary

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



30.6585, 0.3195, 0.1630



72.4766, 0.3012, 0.5780

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.



30.6585, 0.1294, 0.4368



30.6585, 0.3195, 0.1630



30.6585, 0.3622, 0.6219

Square

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



30.6585, 0.3195, 0.1630



30.6585, 0.5962, 0.3902



30.6585, 0.2330, 0.6375



30.6585, 0.0804, 0.1487

Rectangle

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



30.6585, 0.3195, 0.1630



30.6585, 0.5915, 0.2789



30.6585, 0.2330, 0.6375



30.6585, 0.0924, 0.2917

Sweetspot

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



30.6599, 0.3195, 0.1630



66.9174, 0.3153, 0.2690



10.6101, 0.1636, 0.0836



13.4830, 0.3157, 0.2601



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.



30.6599, 0.3195, 0.1630



28.4730, 0.3197, 0.1544



26.0470, 0.4461, 0.2398



18.2956, 0.3137, 0.3056



14.7592, 0.3197, 0.1535



1.4385, 0.3198, 0.1536

Inverse Universe

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



23.8808, 0.5935, 0.3293



21.5065, 0.6350, 0.3298



74.4006, 0.2699, 0.4714



17.9885, 0.3294, 0.3289



11.1109, 0.6396, 0.3297



1.0823, 0.6384, 0.3290

Previews

White Background



This preview shows how the Yxy color 30.6585, 0.3195, 0.1630 looks on a white background.

Color Contrast Check

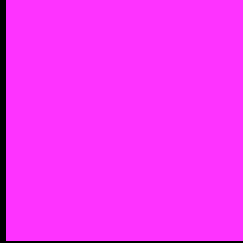
Large Text (above 18pt) WCAG AA × Fail

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 30.6585, 0.3195, 0.1630 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 30.6585, 0.3195, 0.1630

Background



This preview shows how black text looks on a background with the Yxy color 30.6585, 0.3195, 0.1630.



This preview shows how white text looks on a background with the Yxy color 30.6585, 0.3195, 0.1630.

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

30.6585, 0.3195, 0.1630

Protanopia

30.9122, 0.2075, 0.1889

Deuteranopia

31.0808, 0.2124, 0.2064



Tritanopia

30.1632, 0.4658, 0.3210

Trichromacy



Original Color

30.6585, 0.3195, 0.1630



Protanomaly

25.9764, 0.2339, 0.1610



Deuteranomaly

25.8839, 0.2380, 0.1698

Tritanomaly

28.8395, 0.4106, 0.2483

Monochromacy



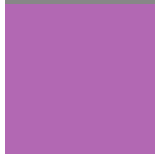
Original Color

30.6585, 0.3195, 0.1630



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

22.6203, 0.3163, 0.2275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6585, 0.3195, 0.1630 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(254, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(254, 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(254, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.6585, 0.3195, 0.1630 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(254, 51, 255) }
```

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

```
.border{ border-color:rgb(254, 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(254, 51, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(254, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6585, 0.3195, 0.1630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 51, 255) }
```

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

```
.background{ background-color: rgb(254, 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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