

Converting Colors

$Y_{xy}(30.5622, 0.3249, 0.1662)$

Have a look what the booklet for
Yxy(30.5622, 0.3249, 0.1662)
contains.

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Color

Yxy(30.5298, 0.3254, 0.1665)

Conversions

Conversions Part 1

Format	Color
Hex	FF33FA
RGB	255, 51, 250
RGB Percent	100%, 20%, 98%
CMY	0.0001, 0.7996, 0.0197
CMYK	0.00, 0.80, 0.02, 0.00
HSL	301°, 100%, 60%
HSV	301°, 80%, 100%
XYZ	59.6660, 30.5298, 93.1663
YIQ	134.6820, 57.7050, 105.1370

Conversions

Conversions Part 2

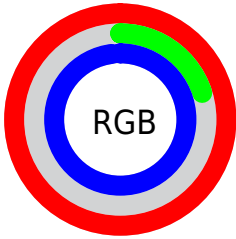
Format	Color
R _Y B	255, 51, 250
Decimal	16724986
CIE Lab	62.11, 91.45, -55.20
CIE LCh	62, 106.816, 328.882
Yxy	30.5298, 0.3254, 0.1665
Android (android.graphics.Color)	4294915066 (0xFFFF33FA)
YUV	134.6820, 56.8518, 105.5189
Hunter-Lab	55.2538, 96.0599, -61.2944

Details

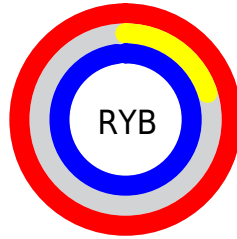
The Yxy color **30.5298, 0.3254, 0.1665** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **72.4922, 0.3001, 0.5750**, and the grayscale version is **23.8943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3991, 0.3186, 0.2039**, and **15.3196, 0.3222, 0.1549** is the 20% darker color. If you saturate the color by 10%, you get **28.8366, 0.3264, 0.1602**, and if you desaturate by 10%, it is **33.4460, 0.3241, 0.1771**.

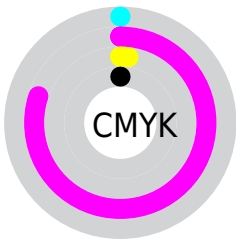
Distribution



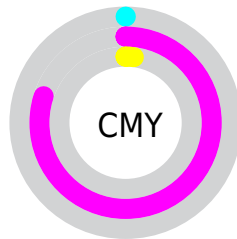
- Red (100%)
- Green (20%)
- Blue (98%)



- Red (100%)
- Yellow (20%)
- Blue (98%)



- Cyan (0%)
- Magenta (80%)
- Yellow (2%)
- Black (0%)




- Cyan (0%)
- Magenta (80%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5298, 0.3254, 0.1665 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 30.5298, 0.3254, 0.1665 by changing the saturation by 10% instead.


 30.5298, 0.3254,
0.1665


 30.5298, 0.3254,
0.1665


304.3662, 0.3237,
0.2384

 20.2411, 0.3247,
0.1514


 60.4990, 0.3257,
0.1905


 12.5704, 0.3232,
0.1337


 80.9483, 0.3255,
0.2001


 7.1334, 0.3205,
0.1127


 105.5532, 0.3253,
0.2085

 3.5457, 0.3153,
0.0879

 134.6982, 0.3250,
0.2159

 1.4228, 0.3058,
0.0596

 168.7676, 0.3247,
0.2225

 0.2334, 0.2911,
0.0183

208.1458, 0.3243,

 0.0000, 0.2541,

0.2284

0.0000

253.2172, 0.3240,
0.2336

■ 0.0000, 0.1550,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.5298, 0.3254,
0.1665

■ 30.5298, 0.3254,
0.1665

■ 28.8366, 0.3264,
0.1602

■ 33.4460, 0.3241,
0.1771

■ 28.0784, 0.3272,
0.1577

■ 37.7555, 0.3227,
0.1921

■ 28.0758, 0.3273,
0.1576

■ 43.6061, 0.3211,
0.2107

■ 51.1256, 0.3194,
0.2323

60.4287, 0.3176,
0.2559

71.6196, 0.3159,
0.2804

84.7949, 0.3143,
0.3051

99.9918, 0.3127,
0.3290

99.9938, 0.3127,
0.3290

Harmonies

Analogous

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



30.5298, 0.1880, 0.1289



30.5298, 0.3254, 0.1665



30.5298, 0.5037, 0.2319

Triad

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



30.5298, 0.3254, 0.1665



30.5298, 0.4918, 0.5079



30.5298, 0.0845, 0.2359

Complementary

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



30.5298, 0.3254, 0.1665



72.4922, 0.3001, 0.5750

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.



30.5298, 0.1292, 0.4271



30.5298, 0.3254, 0.1665



30.5298, 0.3588, 0.6219

Square

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



30.5298, 0.3254, 0.1665



30.5298, 0.5913, 0.3945



30.5298, 0.2309, 0.6285



30.5298, 0.0828, 0.1490

Rectangle

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



30.5298, 0.3254, 0.1665



30.5298, 0.5908, 0.2828



30.5298, 0.2309, 0.6285



30.5298, 0.0934, 0.2868

Sweetspot

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



30.5312, 0.3254, 0.1665



66.8784, 0.3166, 0.2704



10.3934, 0.1641, 0.0821



13.4735, 0.3172, 0.2617



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.



30.5312, 0.3254, 0.1665



28.3210, 0.3269, 0.1584



25.8214, 0.4567, 0.2462



18.2922, 0.3142, 0.3062



14.6780, 0.3271, 0.1576



1.4315, 0.3264, 0.1572

Inverse Universe

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



30.5312, 0.3254, 0.1665



28.3210, 0.3269, 0.1584



74.6207, 0.2671, 0.4619



18.2922, 0.3142, 0.3062



14.6780, 0.3271, 0.1576



1.4315, 0.3264, 0.1572

Previews

White Background



This preview shows how the Yxy color 30.5298, 0.3254, 0.1665 looks on a white background.

Color Contrast Check

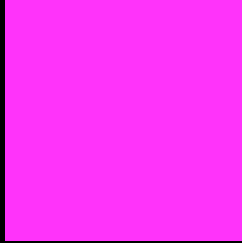
Large Text (above 18pt) WCAG AA × Fail

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 30.5298, 0.3254, 0.1665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

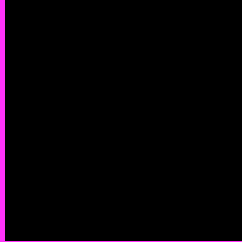
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5298, 0.3254, 0.1665

Background



This preview shows how black text looks on a background with the Yxy color 30.5298, 0.3254, 0.1665.



This preview shows how white text looks on a background with the Yxy color 30.5298, 0.3254, 0.1665.

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

30.5298, 0.3254, 0.1665

Protanopia

30.8541, 0.2071, 0.1887

Deuteranopia

30.7524, 0.2167, 0.2106



Tritanopia

30.2556, 0.4710, 0.3222

Trichromacy



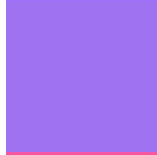
Original Color

30.5298, 0.3254, 0.1665



Protanomaly

25.8483, 0.2351, 0.1623



Deuteranomaly

25.6546, 0.2433, 0.1734



Tritanomaly

28.8732, 0.4173, 0.2527

Monochromacy



Original Color

30.5298, 0.3254, 0.1665



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

22.6587, 0.3197, 0.2302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5298, 0.3254, 0.1665 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, 51, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 250)  
}
```

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, 51, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 250) }
```

Border

The CSS property to change the border of an element to Yxy 30.5298, 0.3254, 0.1665 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, 51, 250) }
```

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

```
.border{ border-color:rgb(255, 51, 250) }
```

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

Here you see how a box with a 4 pixel rgb(255, 51, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5298, 0.3254, 0.1665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 250) }
```

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

```
.background{ background-color: rgb(255, 51,  
250) }
```

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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