

Converting Colors

Yxy(34.5035, 0.3216, 0.1912)

Have a look what the booklet for
Yxy(34.5035, 0.3216, 0.1912)
contains.

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Color

Yxy(34.5586, 0.3221, 0.1918)

Conversions

Conversions Part 1

Format	Color
Hex	F562F2
RGB	245, 98, 242
RGB Percent	96%, 38%, 95%
CMY	0.0394, 0.6155, 0.0511
CMYK	0.00, 0.60, 0.01, 0.04
HSL	301°, 88%, 67%
HSV	301°, 60%, 96%
XYZ	58.0361, 34.5586, 87.5857
YIQ	158.3690, 41.3880, 75.9480

Conversions

Conversions Part 2

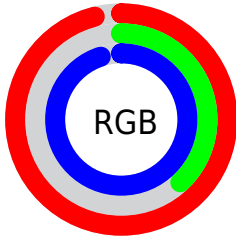
Format	Color
R _{YB}	245, 98, 242
Decimal	16081650
CIE _{Lab}	65.40, 73.31, -45.65
CIE _{LCh}	65, 86.362, 328.088
Yxy	34.5586, 0.3221, 0.1918
Android (android.graphics.Color)	4294271730 (0xFFFF562F2)
YUV	158.3690, 41.2301, 75.9754
Hunter-Lab	58.7866, 73.3448, -47.1852

Details

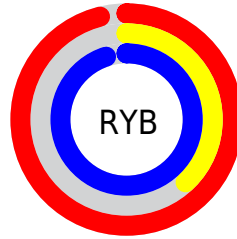
The Yxy color **34.5586, 0.3221, 0.1918** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **68.8226, 0.3025, 0.5200**, and the grayscale version is **34.1713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2569, 0.3172, 0.2329**, and **14.7970, 0.3205, 0.1621** is the 20% darker color. If you saturate the color by 10%, you get **30.6233, 0.3234, 0.1768**, and if you desaturate by 10%, it is **39.8995, 0.3206, 0.2105**.

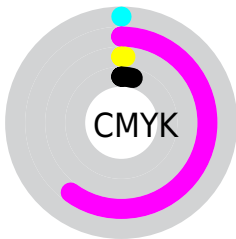
Distribution



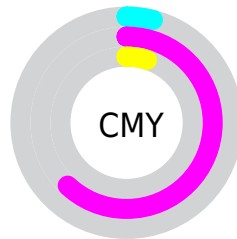
- Red (96%)
- Green (38%)
- Blue (95%)



- Red (96%)
- Yellow (38%)
- Blue (95%)



- Cyan (0%)
- Magenta (60%)
- Yellow (1%)
- Black (4%)




- Cyan (4%)
- Magenta (62%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5586, 0.3221, 0.1918 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 34.5586, 0.3221, 0.1918 by changing the saturation by 10% instead.


 34.5586, 0.3221,
0.1918


 34.5586, 0.3221,
0.1918

322.6157, 0.3206,
0.2539


 23.3231, 0.3217,
0.1783


 66.8014, 0.3222,
0.2129

 14.8322, 0.3207,
0.1620


 88.5775, 0.3220,
0.2212

 8.7017, 0.3188,
0.1423


 114.6358, 0.3218,
0.2285

 4.5471, 0.3152,
0.1181

 145.3608, 0.3216,
0.2349

 1.9841, 0.3081,
0.0885

181.1369, 0.3213,
0.2405

 0.5982, 0.2948,
0.0511

222.3485, 0.3211,

 0.0000, 0.2691,

0.2455

0.0000

269.3800, 0.3208,
0.2499

■ 0.0000, 0.1437,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.5586, 0.3221,
0.1918

■ 34.5586, 0.3221,
0.1918

■ 30.6233, 0.3234,
0.1768

■ 39.8995, 0.3206,
0.2105

■ 27.9563, 0.3246,
0.1661

■ 46.7572, 0.3190,
0.2321

■ 26.4014, 0.3255,
0.1598


■ 55.2370, 0.3174,
0.2557

■ 25.6962, 0.3262,
0.1571

■ 65.4337, 0.3158,
0.2803

 25.6946, 0.3262,
0.1570

 77.4347, 0.3142,
0.3050

 91.3214, 0.3127,
0.3291

 97.5467, 0.3120,
0.3383

 97.5774, 0.3117,
0.3378

 97.6081, 0.3114,
0.3373

Harmonies

Analogous

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



34.5586, 0.2090, 0.1582



34.5586, 0.3221, 0.1918



34.5586, 0.4601, 0.2503

Triad

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



34.5586, 0.3221, 0.1918



34.5586, 0.4784, 0.4911



34.5586, 0.1203, 0.2637

Complementary

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



34.5586, 0.3221, 0.1918



68.8226, 0.3025, 0.5200

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.



34.5586, 0.1676, 0.4114



34.5586, 0.3221, 0.1918



34.5586, 0.3730, 0.5679

Square

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



34.5586, 0.3221, 0.1918



34.5586, 0.5508, 0.4015



34.5586, 0.2607, 0.5540



34.5586, 0.1144, 0.1829

Rectangle

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



34.5586, 0.3221, 0.1918



34.5586, 0.5311, 0.2974



34.5586, 0.2607, 0.5540



34.5586, 0.1308, 0.3061

Sweetspot

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



34.5602, 0.3221, 0.1918



74.0698, 0.3155, 0.2851



18.0744, 0.1971, 0.1362



15.0901, 0.3159, 0.2779



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.



34.5602, 0.3221, 0.1918



32.7984, 0.3237, 0.1741



31.0185, 0.4059, 0.2560



16.7621, 0.3141, 0.3062



13.8497, 0.3261, 0.1570



1.2191, 0.3254, 0.1566

Inverse Universe

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



34.5602, 0.3221, 0.1918



32.7984, 0.3237, 0.1741



70.9363, 0.2704, 0.4233



16.7621, 0.3141, 0.3062



13.8497, 0.3261, 0.1570



1.2191, 0.3254, 0.1566

Previews

White Background



This preview shows how the Yxy color 34.5586, 0.3221, 0.1918 looks on a white background.

Color Contrast Check

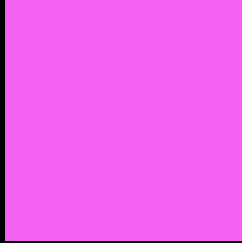
Large Text (above 18pt) WCAG AA × Fail

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 34.5586, 0.3221, 0.1918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

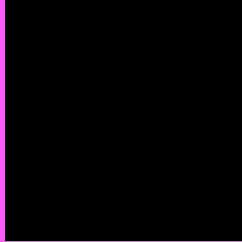
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5586, 0.3221, 0.1918

Background



This preview shows how black text looks on a background with the Yxy color 34.5586, 0.3221, 0.1918.

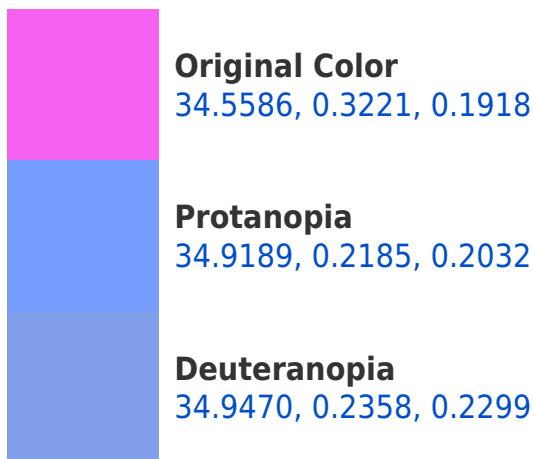


This preview shows how white text looks on a background with the Yxy color 34.5586, 0.3221, 0.1918.

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





Tritanopia

34.3085, 0.4236, 0.3180

Trichromacy



Original Color

34.5586, 0.3221, 0.1918



Protanomaly

32.2294, 0.2464, 0.1917



Deuteranomaly

32.3224, 0.2603, 0.2065



Tritanomaly

33.5905, 0.3852, 0.2646

Monochromacy



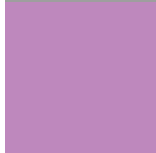
Original Color

34.5586, 0.3221, 0.1918



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.2296, 0.3170, 0.2604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5586, 0.3221, 0.1918 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(245, 98, 242)` looks like.

```
.text, #text, p{  
    color:rgb(245, 98, 242)  
}
```

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(245, 98, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 98, 242) }
```

Border

The CSS property to change the border of an element to Yxy 34.5586, 0.3221, 0.1918 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(245, 98, 242) }
```

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

```
.border{ border-color:rgb(245, 98, 242) }
```

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

Here you see how a box with a 4 pixel rgb(245, 98, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 98, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 98, 242);  
box-shadow:4px 4px 4px 4px rgb(245, 98,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5586, 0.3221, 0.1918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 98, 242) }
```

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

```
.background{ background-color: rgb(245, 98,  
242) }
```

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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