

Converting Colors

$Y_{xy}(35.4830, 0.3228, 0.2017)$

Have a look what the booklet for
Yxy(35.4830, 0.3228, 0.2017)
contains.

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Color

Yxy(35.5403, 0.3226, 0.2014)

Conversions

Conversions Part 1

Format	Color
Hex	F16CED
RGB	241, 108, 237
RGB Percent	95%, 42%, 93%
CMY	0.0549, 0.5765, 0.0705
CMYK	0.00, 0.55, 0.02, 0.05
HSL	302°, 83%, 68%
HSV	302°, 55%, 95%
XYZ	56.9280, 35.5403, 83.9979
YIQ	162.4730, 37.8590, 68.3150

Conversions

Conversions Part 2

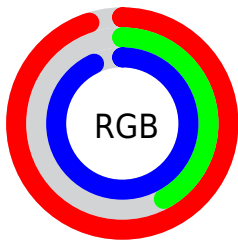
Format	Color
RYB	241, 108, 237
Decimal	15822061
CIELab	66.17, 67.30, -41.76
CIELCh	66, 79.204, 328.180
Yxy	35.5403, 0.3226, 0.2014
Android (android.graphics.Color)	4294012141 (0xFFFF16CED)
YUV	162.4730, 36.7418, 68.8682
Hunter-Lab	59.6157, 66.1252, -41.8081

Details

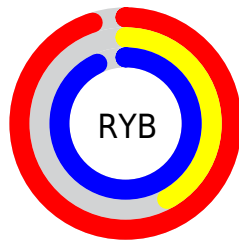
The Yxy color **35.5403, 0.3226, 0.2014** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **67.2713, 0.3027, 0.5020**, and the grayscale version is **36.1761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3903, 0.3168, 0.2412**, and **15.3952, 0.3214, 0.1725** is the 20% darker color. If you saturate the color by 10%, you get **31.0999, 0.3243, 0.1846**, and if you desaturate by 10%, it is **41.3887, 0.3208, 0.2215**.

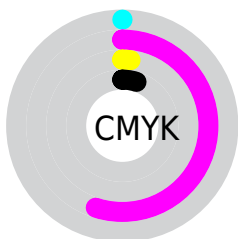
Distribution



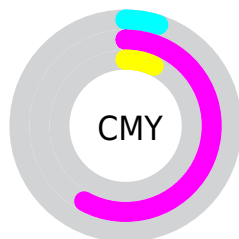
- Red (95%)
- Green (42%)
- Blue (93%)



- Red (95%)
- Yellow (42%)
- Blue (93%)



- Cyan (0%)
- Magenta (55%)
- Yellow (2%)
- Black (5%)



- Cyan (5%)
- Magenta (58%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5403, 0.3226, 0.2014 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 35.5403, 0.3226, 0.2014 by changing the saturation by 10% instead.

 35.5403, 0.3226,
0.2014


 35.5403, 0.3226,
0.2014


326.9468, 0.3204,
0.2598

 24.0794, 0.3224,
0.1885


 68.3219, 0.3223,
0.2214

 15.3925, 0.3219,
0.1729


 90.4114, 0.3221,
0.2292

 9.0953, 0.3206,
0.1538


 116.8126, 0.3218,
0.2360

 4.8034, 0.3178,
0.1300

147.9098, 0.3215,
0.2420

 2.1324, 0.3121,
0.1002

184.0874, 0.3212,
0.2472

 0.6827, 0.3004,
0.0625

225.7298, 0.3209,

 0.0000, 0.2798,

0.2519

0.0000

273.2215, 0.3206,
0.2560

■ 0.0000, 0.1275,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.5403, 0.3226,
0.2014

■ 35.5403, 0.3226,
0.2014

■ 31.0999, 0.3243,
0.1846

■ 41.3887, 0.3208,
0.2215

■ 27.9438, 0.3258,
0.1719


■ 48.7455, 0.3189,
0.2440

■ 25.9351, 0.3271,
0.1636

■ 57.7079, 0.3170,
0.2680


■ 24.9034, 0.3282,
0.1594

■ 68.3631, 0.3152,
0.2925

 24.6303, 0.3287,
0.1584

 80.7924, 0.3135,
0.3167

 95.0718, 0.3120,
0.3401

 96.6371, 0.3115,
0.3417

 96.6805, 0.3110,
0.3410

 96.7242, 0.3106,
0.3403

Harmonies

Analogous

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



35.5403, 0.2175, 0.1693



35.5403, 0.3226, 0.2014



35.5403, 0.4477, 0.2572

Triad

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



35.5403, 0.3226, 0.2014



35.5403, 0.4703, 0.4844



35.5403, 0.1333, 0.2709

Complementary

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



35.5403, 0.3226, 0.2014



67.2713, 0.3027, 0.5020

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.



35.5403, 0.1797, 0.4037



35.5403, 0.3226, 0.2014



35.5403, 0.3732, 0.5488

Square

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



35.5403, 0.3226, 0.2014



35.5403, 0.5343, 0.4024



35.5403, 0.2677, 0.5300



35.5403, 0.1267, 0.1943

Rectangle

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



35.5403, 0.3226, 0.2014



35.5403, 0.5123, 0.3024



35.5403, 0.2677, 0.5300



35.5403, 0.1438, 0.3098

Sweetspot

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



35.5419, 0.3226, 0.2014



75.3089, 0.3156, 0.2879



20.4042, 0.2070, 0.1525



15.5787, 0.3159, 0.2830



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.



35.5419, 0.3226, 0.2014



34.9276, 0.3245, 0.1832



32.4156, 0.3949, 0.2606



16.0228, 0.3143, 0.3064



13.3595, 0.3285, 0.1583



1.1139, 0.3275, 0.1578

Inverse Universe

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



35.5419, 0.3226, 0.2014



34.9276, 0.3245, 0.1832



69.2650, 0.2724, 0.4142



16.0228, 0.3143, 0.3064



13.3595, 0.3285, 0.1583



1.1139, 0.3275, 0.1578

Previews

White Background



This preview shows how the Yxy color 35.5403, 0.3226, 0.2014 looks on a white background.

Color Contrast Check

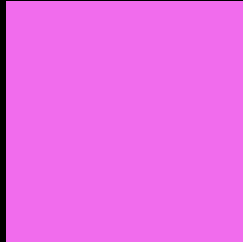
Large Text (above 18pt) WCAG AA × Fail

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 35.5403, 0.3226, 0.2014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

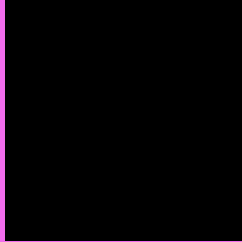
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.5403, 0.3226, 0.2014

Background



This preview shows how black text looks on a background with the Yxy color 35.5403, 0.3226, 0.2014.



This preview shows how white text looks on a background with the Yxy color 35.5403, 0.3226, 0.2014.

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

35.5403, 0.3226, 0.2014

Protanopia

35.9588, 0.2217, 0.2066

Deuteranopia

35.7161, 0.2435, 0.2369



Tritanopia

35.2785, 0.4122, 0.3177

Trichromacy



Original Color

35.5403, 0.3226, 0.2014



Protanomaly

33.7490, 0.2499, 0.1996



Deuteranomaly

33.6396, 0.2676, 0.2170



Tritanomaly

34.8327, 0.3779, 0.2689

Monochromacy



Original Color

35.5403, 0.3226, 0.2014



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.0965, 0.3176, 0.2684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5403, 0.3226, 0.2014 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(241, 108, 237)` looks like.

```
.text, #text, p{  
    color:rgb(241, 108, 237)  
}
```

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(241, 108, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 108, 237) }
```

Border

The CSS property to change the border of an element to Yxy 35.5403, 0.3226, 0.2014 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(241, 108, 237) }
```

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

```
.border{ border-color:rgb(241, 108, 237) }
```

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

Here you see how a box with a 4 pixel rgb(241, 108, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 108, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 108, 237);  
box-shadow:4px 4px 4px 4px rgb(241, 108,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5403, 0.3226, 0.2014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 108, 237) }
```

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

```
.background{ background-color: rgb(241,  
108, 237) }
```

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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