

Converting Colors

$Y_{xy}(35.5001, 0.3632, 0.2230)$

Have a look what the booklet for
Yxy(35.5001, 0.3632, 0.2230)
contains.

| | |
|---|----|
| Yxy(35.5162, 0.3629, 0.2227) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(35.5162, 0.3629, 0.2227)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF66D4 |
| RGB | 255, 102, 212 |
| RGB Percent | 100%, 40%, 83% |
| CMY | 0.0000, 0.6000, 0.1686 |
| CMYK | 0.00, 0.60, 0.17, 0.00 |
| HSL | 317°, 100%, 70% |
| HSV | 317°, 60%, 100% |
| XYZ | 57.8753, 35.5162, 66.0885 |
| YIQ | 160.2870, 55.8780, 66.6460 |

Conversions

Conversions Part 2

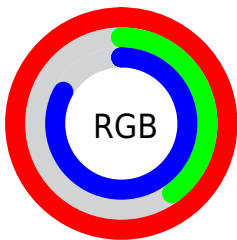
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 255, 102, 212 |
| Decimal | 16738004 |
| CIE Lab | 66.15, 69.71, -27.70 |
| CIE LCh | 66, 75.008, 338.327 |
| Yxy | 35.5162, 0.3629, 0.2227 |
| Android (android.graphics.Color) | 4294928084 (0xFFFF66D4) |
| YUV | 160.2870, 25.4945, 83.0633 |
| Hunter-Lab | 59.5955, 69.0557, -24.0329 |

Details

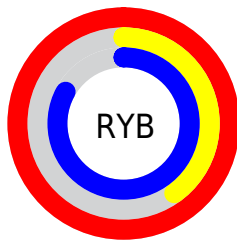
The Yxy color **35.5162, 0.3629, 0.2227** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.3898, 0.2864, 0.4720**, and the grayscale version is **35.1548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **15.3596, 0.3754, 0.1971** is the 20% darker color. If you saturate the color by 10%, you get **30.8984, 0.3745, 0.2109**, and if you desaturate by 10%, it is **41.6929, 0.3519, 0.2378**.

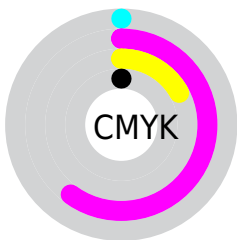
Distribution



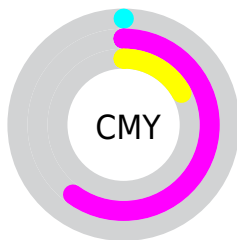
- Red (100%)
- Green (40%)
- Blue (83%)



- Red (100%)
- Yellow (40%)
- Blue (83%)



- Cyan (0%)
- Magenta (60%)
- Yellow (17%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.5162, 0.3629, 0.2227 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 35.5162, 0.3629, 0.2227 by changing the saturation by 10% instead.


 35.5162, 0.3629,
0.2227

 35.5162, 0.3629,
0.2227


326.8410, 0.3393,
0.2727

 24.0608, 0.3683,
0.2112


 68.2847, 0.3547,
0.2401

 15.3787, 0.3750,
0.1971


 90.3665, 0.3515,
0.2469

 9.0856, 0.3834,
0.1794


 116.7593, 0.3487,
0.2527

 4.7971, 0.3942,
0.1566

 147.8474, 0.3463,
0.2577

 2.1287, 0.4085,
0.1266

184.0152, 0.3443,
0.2622

 0.6807, 0.4283,
0.0851

225.6472, 0.3424,

 0.0000, 0.4688,

0.2661

0.0000

273.1276, 0.3408,
0.2696

■ 0.0000, 0.4776,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.5162, 0.3629,
0.2227

■ 35.5162, 0.3629,
0.2227

■ 30.8984, 0.3745,
0.2109

■ 41.6929, 0.3519,
0.2378

■ 27.6897, 0.3864,
0.2035


■ 49.5537, 0.3419,
0.2552

■ 25.7163, 0.3982,
0.2010

■ 59.2144, 0.3330,
0.2737

■ 24.6925, 0.4096,
0.2030

■ 70.7797, 0.3252,
0.2926

 24.6923, 0.4096,
0.2030

 84.3463, 0.3184,
0.3112

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



35.5162, 0.2519, 0.1830



35.5162, 0.3629, 0.2227



35.5162, 0.4753, 0.2826

Triad

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



35.5162, 0.3629, 0.2227



35.5162, 0.4365, 0.5043



35.5162, 0.1343, 0.2437

Complementary

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



35.5162, 0.3629, 0.2227



76.3898, 0.2864, 0.4720

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.



35.5162, 0.1659, 0.3536



35.5162, 0.3629, 0.2227



35.5162, 0.3385, 0.5434

Square

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



35.5162, 0.3629, 0.2227



35.5162, 0.5105, 0.4284



35.5162, 0.2391, 0.4856



35.5162, 0.1388, 0.1865

Rectangle

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



35.5162, 0.3629, 0.2227



35.5162, 0.5214, 0.3285



35.5162, 0.2391, 0.4856



35.5162, 0.1404, 0.2744

Sweetspot

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



35.5172, 0.3629, 0.2227



73.3267, 0.3237, 0.2963



22.5462, 0.2217, 0.1466



14.9064, 0.3258, 0.2909



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.



35.5172, 0.3629, 0.2227



30.1480, 0.3769, 0.2091



32.5904, 0.4567, 0.2944



18.2082, 0.3181, 0.3121



12.9291, 0.4078, 0.2020



1.2775, 0.3955, 0.1953

Inverse Universe

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



35.5172, 0.3629, 0.2227



30.1480, 0.3769, 0.2091



79.4755, 0.2535, 0.3727



18.2082, 0.3181, 0.3121



12.9291, 0.4078, 0.2020



1.2775, 0.3955, 0.1953

Previews

White Background



This preview shows how the Yxy color 35.5162, 0.3629, 0.2227 looks on a white background.

Color Contrast Check

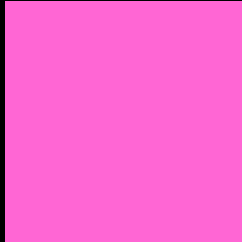
Large Text (above 18pt) WCAG AA × Fail

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 35.5162, 0.3629, 0.2227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

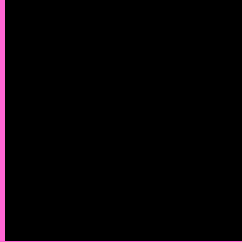
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.5162, 0.3629, 0.2227

Background



This preview shows how black text looks on a background with the Yxy color 35.5162, 0.3629, 0.2227.



This preview shows how white text looks on a background with the Yxy color 35.5162, 0.3629, 0.2227.

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

35.5162, 0.3629, 0.2227

Protanopia

36.0337, 0.2222, 0.2067

Deuteranopia

35.7341, 0.2731, 0.2672



Tritanopia

35.3319, 0.4475, 0.3199

Trichromacy



Original Color

35.5162, 0.3629, 0.2227



Protanomaly

33.1796, 0.2593, 0.2064



Deuteranomaly

33.7096, 0.3020, 0.2441



Tritanomaly

35.1235, 0.4175, 0.2825

Monochromacy



Original Color

35.5162, 0.3629, 0.2227



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.3220, 0.3318, 0.2773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5162, 0.3629, 0.2227 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, 102, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 212)  
}
```

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, 102, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 212) }
```

Border

The CSS property to change the border of an element to Yxy 35.5162, 0.3629, 0.2227 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, 102, 212) }
```

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

```
.border{ border-color:rgb(255, 102, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5162, 0.3629, 0.2227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 212) }
```

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

```
.background{ background-color: rgb(255,  
102, 212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor