

Converting Colors

$Y_{xy}(35.7270, 0.3583, 0.2192)$

Have a look what the booklet for
Yxy(35.7270, 0.3583, 0.2192)
contains.

| | |
|--|----|
| Yxy(35.7206, 0.3584, 0.2193) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(35.7206, 0.3584, 0.2193)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF66D8 |
| RGB | 255, 102, 216 |
| RGB Percent | 100%, 40%, 85% |
| CMY | 0.0001, 0.5999, 0.1529 |
| CMYK | 0.00, 0.60, 0.15, 0.00 |
| HSL | 315°, 100%, 70% |
| HSV | 315°, 60%, 100% |
| XYZ | 58.3779, 35.7206, 68.7862 |
| YIQ | 160.7430, 54.5940, 67.8900 |

Conversions

Conversions Part 2

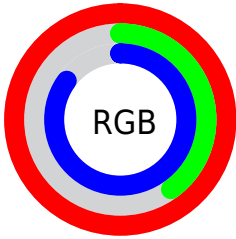
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 255, 102, 216 |
| Decimal | 16738008 |
| CIE Lab | 66.31, 70.25, -29.70 |
| CIE LCh | 66, 76.272, 337.080 |
| Yxy | 35.7206, 0.3584, 0.2193 |
| Android (android.graphics.Color) | 4294928088 (0xFFFF66D8) |
| YUV | 160.7430, 27.2417, 82.6634 |
| Hunter-Lab | 59.7667, 69.7603, -26.4008 |

Details

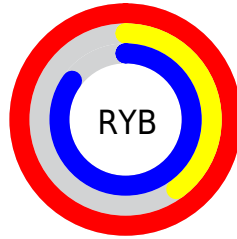
The Yxy color **35.7206, 0.3584, 0.2193** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.2506, 0.2882, 0.4772**, and the grayscale version is **35.3734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **15.4984, 0.3689, 0.1931** is the 20% darker color. If you saturate the color by 10%, you get **31.1265, 0.3688, 0.2071**, and if you desaturate by 10%, it is **41.8721, 0.3486, 0.2349**.

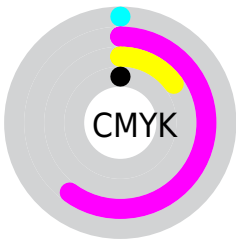
Distribution



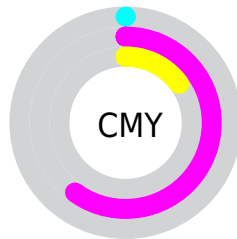
- Red (100%)
- Green (40%)
- Blue (85%)



- Red (100%)
- Yellow (40%)
- Blue (85%)



- Cyan (0%)
- Magenta (60%)
- Yellow (15%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7206, 0.3584, 0.2193 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 35.7206, 0.3584, 0.2193 by changing the saturation by 10% instead.


 35.7206, 0.3584,
0.2193

 35.7206, 0.3584,
0.2193


327.7377, 0.3373,
0.2706


 24.2185, 0.3631,
0.2076


 68.6006, 0.3511,
0.2371


 15.4958, 0.3689,
0.1933


 90.7473, 0.3483,
0.2440

 9.1681, 0.3761,
0.1754


 117.2109, 0.3458,
0.2500

 4.8510, 0.3851,
0.1524

 148.3760, 0.3437,
0.2552

 2.1601, 0.3966,
0.1225

184.6268, 0.3418,
0.2597

 0.6981, 0.4116,
0.0820

226.3477, 0.3401,

 0.0000, 0.4423,

0.2638

0.0000

273.9232, 0.3386,
0.2674

■ 0.0000, 0.3914,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.7206, 0.3584,
0.2193

■ 35.7206, 0.3584,
0.2193

■ 31.1265, 0.3688,
0.2071

■ 41.8721, 0.3486,
0.2349

■ 27.9380, 0.3793,
0.1992

■ 49.7038, 0.3395,
0.2527

■ 25.9821, 0.3897,
0.1962

■ 59.3322, 0.3313,
0.2718

■ 24.9738, 0.3998,
0.1976

■ 70.8619, 0.3242,
0.2913

■ 24.9722, 0.3998,
0.1976

■ 84.3896, 0.3180,
0.3106

99.9931, 0.3127,
0.3290

99.9942, 0.3127,
0.3290

Harmonies

Analogous

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



35.7206, 0.2470, 0.1803



35.7206, 0.3584, 0.2193



35.7206, 0.4737, 0.2790

Triad

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



35.7206, 0.3584, 0.2193



35.7206, 0.4412, 0.5031



35.7206, 0.1329, 0.2458

Complementary

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



35.7206, 0.3584, 0.2193



76.2506, 0.2882, 0.4772

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.



35.7206, 0.1663, 0.3594



35.7206, 0.3584, 0.2193



35.7206, 0.3425, 0.5466

Square

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



35.7206, 0.3584, 0.2193



35.7206, 0.5148, 0.4255



35.7206, 0.2417, 0.4930



35.7206, 0.1362, 0.1862

Rectangle

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



35.7206, 0.3584, 0.2193



35.7206, 0.5225, 0.3250



35.7206, 0.2417, 0.4930



35.7206, 0.1395, 0.2776

Sweetspot

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



35.7223, 0.3584, 0.2193



73.3995, 0.3229, 0.2952



22.3270, 0.2199, 0.1458



14.9244, 0.3248, 0.2895



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.



35.7223, 0.3584, 0.2193



30.3825, 0.3709, 0.2051



32.6657, 0.4532, 0.2918



18.2166, 0.3177, 0.3115



13.0775, 0.3982, 0.1967



1.2910, 0.3874, 0.1908

Inverse Universe

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



35.7223, 0.3584, 0.2193



30.3825, 0.3709, 0.2051



79.3235, 0.2546, 0.3760



18.2166, 0.3177, 0.3115



13.0775, 0.3982, 0.1967



1.2910, 0.3874, 0.1908

Previews

White Background



This preview shows how the Yxy color 35.7206, 0.3584, 0.2193 looks on a white background.

Color Contrast Check

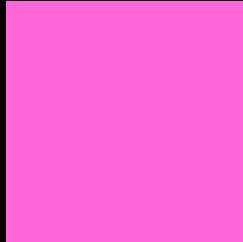
Large Text (above 18pt) WCAG AA × Fail

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 35.7206, 0.3584, 0.2193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

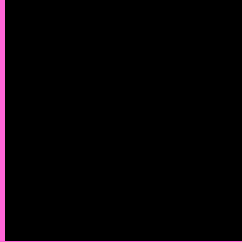
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7206, 0.3584, 0.2193

Background



This preview shows how black text looks on a background with the Yxy color 35.7206, 0.3584, 0.2193.



This preview shows how white text looks on a background with the Yxy color 35.7206, 0.3584, 0.2193.

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

35.7206, 0.3584, 0.2193

Protanopia

36.0337, 0.2222, 0.2067

Deuteranopia

36.0736, 0.2687, 0.2635



Tritanopia

35.6060, 0.4457, 0.3199

Trichromacy



Original Color

35.7206, 0.3584, 0.2193



Protanomaly

33.2985, 0.2580, 0.2046



Deuteranomaly

33.7773, 0.2975, 0.2395



Tritanomaly

35.2298, 0.4137, 0.2794

Monochromacy



Original Color

35.7206, 0.3584, 0.2193



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

33.6945, 0.3297, 0.2761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7206, 0.3584, 0.2193 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 216) }
```

Border

The CSS property to change the border of an element to Yxy 35.7206, 0.3584, 0.2193 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, 216) }
```

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

```
.border{ border-color:rgb(255, 102, 216) }
```

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, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7206, 0.3584, 0.2193 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, 216) }
```

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

```
.background{ background-color: rgb(255,  
102, 216) }
```

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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