

Converting Colors

$Y_{xy}(33.7785, 0.3596, 0.2285)$

Have a look what the booklet for
Yxy(33.7785, 0.3596, 0.2285)
contains.

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Color

Yxy(33.7224, 0.3592, 0.2285)

Conversions

Conversions Part 1

Format	Color
Hex	F36ACC
RGB	243, 106, 204
RGB Percent	95%, 42%, 80%
CMY	0.0471, 0.5842, 0.2000
CMYK	0.00, 0.56, 0.16, 0.05
HSL	317°, 85%, 68%
HSV	317°, 56%, 95%
XYZ	53.0113, 33.7224, 60.8479
YIQ	158.1350, 50.1940, 59.5220

Conversions

Conversions Part 2

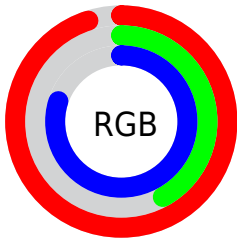
Format	Color
R_{YB}	243, 106, 204
Decimal	15952588
CIE _{Lab}	64.74, 63.55, -25.53
CIE _{LCh}	65, 68.484, 338.115
Yxy	33.7224, 0.3592, 0.2285
Android (android.graphics.Color)	4294142668 (0xFFFF36ACC)
YUV	158.1350, 22.6114, 74.4266
Hunter-Lab	58.0710, 61.3232, -21.4755

Details

The Yxy color **33.7224, 0.3592, 0.2285** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **69.1998, 0.2870, 0.4608**, and the grayscale version is **34.1382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6744, 0.3169, 0.2394**, and **14.4254, 0.3704, 0.2033** is the 20% darker color. If you saturate the color by 10%, you get **29.0800, 0.3707, 0.2154**, and if you desaturate by 10%, it is **39.8012, 0.3485, 0.2445**.

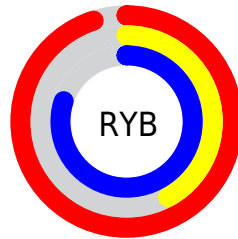
Distribution



Red (95%)

Green (42%)

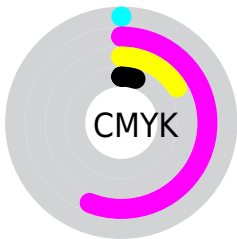
Blue (80%)



Red (95%)

Yellow (42%)

Blue (80%)

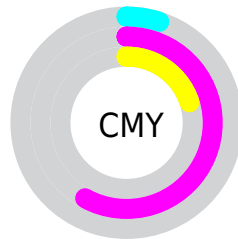


Cyan (0%)

Magenta (56%)

Yellow (16%)

Black (5%)



Cyan (5%)

Magenta (58%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7224, 0.3592, 0.2285 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 33.7224, 0.3592, 0.2285 by changing the saturation by 10% instead.

 33.7224, 0.3592,
0.2285


 33.7224, 0.3592,
0.2285


318.8925, 0.3370,
0.2766


 22.6804, 0.3644,
0.2173


 65.5017, 0.3514,
0.2454


 14.3577, 0.3708,
0.2033


 87.0079, 0.3484,
0.2519

 8.3699, 0.3790,
0.1855

 112.7709, 0.3458,
0.2575

 4.3325, 0.3897,
0.1623

 143.1752, 0.3436,
0.2623

 1.8613, 0.4040,
0.1312

178.6050, 0.3416,
0.2666

 0.5249, 0.4265,
0.0823

219.4450, 0.3399,

 0.0000, 0.4642,

0.2703


0.0000

266.0793, 0.3384,
0.2736

 0.0000, 0.0000,
0.0000


 33.7224, 0.3592,
0.2285

 33.7224, 0.3592,
0.2285


 29.0800, 0.3707,
0.2154


 39.8012, 0.3485,
0.2445

 25.7456, 0.3827,
0.2063


 47.4206, 0.3387,
0.2623

 23.5763, 0.3948,
0.2020

 56.6806, 0.3301,
0.2809

 22.3917, 0.4064,
0.2026

 67.6717, 0.3227,
0.2996

 22.1013, 0.4106,
0.2036

 80.4774, 0.3163,
0.3178

■ 95.1760, 0.3109,
0.3352

■ 97.6256, 0.3068,
0.3315

■ 97.7914, 0.3053,
0.3290

Harmonies

Analogous

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



33.7224, 0.2555, 0.1906



33.7224, 0.3592, 0.2285



33.7224, 0.4634, 0.2858

Triad

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



33.7224, 0.3592, 0.2285



33.7224, 0.4323, 0.4949



33.7224, 0.1440, 0.2509

Complementary

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



33.7224, 0.3592, 0.2285



69.1998, 0.2870, 0.4608

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.



33.7224, 0.1755, 0.3536



33.7224, 0.3592, 0.2285



33.7224, 0.3401, 0.5276

Square

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



33.7224, 0.3592, 0.2285



33.7224, 0.5001, 0.4255



33.7224, 0.2458, 0.4735



33.7224, 0.1477, 0.1953

Rectangle

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



33.7224, 0.3592, 0.2285



33.7224, 0.5070, 0.3301



33.7224, 0.2458, 0.4735



33.7224, 0.1502, 0.2800

Sweetspot

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



33.7240, 0.3592, 0.2285



74.6230, 0.3231, 0.2983



22.7864, 0.2303, 0.1591



15.4153, 0.3246, 0.2946



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.



33.7240, 0.3592, 0.2285



31.6741, 0.3729, 0.2135



31.1328, 0.4457, 0.2982



16.6832, 0.3182, 0.3122



12.1564, 0.4089, 0.2026



1.0860, 0.3952, 0.1951

Inverse Universe

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



33.7240, 0.3592, 0.2285



31.6741, 0.3729, 0.2135



71.9754, 0.2548, 0.3664



16.6832, 0.3182, 0.3122



12.1564, 0.4089, 0.2026



1.0860, 0.3952, 0.1951

Previews

White Background



This preview shows how the Yxy color 33.7224, 0.3592, 0.2285 looks on a white background.

Color Contrast Check

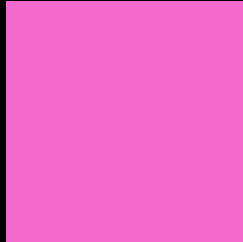
Large Text (above 18pt) WCAG AA × Fail

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 33.7224, 0.3592, 0.2285 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 33.7224, 0.3592, 0.2285

Background



This preview shows how black text looks on a background with the Yxy color 33.7224, 0.3592, 0.2285.

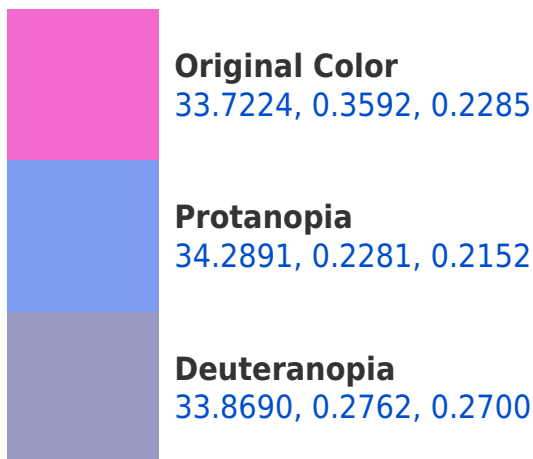


This preview shows how white text looks on a background with the Yxy color 33.7224, 0.3592, 0.2285.

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

33.6647, 0.4348, 0.3194

Trichromacy



Original Color

33.7224, 0.3592, 0.2285



Protanomaly

31.9278, 0.2643, 0.2147



Deuteranomaly

32.4539, 0.3035, 0.2493



Tritanomaly

33.5419, 0.4080, 0.2844

Monochromacy



Original Color

33.7224, 0.3592, 0.2285



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.3792, 0.3296, 0.2812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7224, 0.3592, 0.2285 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(243, 106, 204)` looks like.

```
.text, #text, p{  
    color:rgb(243, 106, 204)  
}
```

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(243, 106, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 106, 204) }
```

Border

The CSS property to change the border of an element to Yxy 33.7224, 0.3592, 0.2285 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(243, 106, 204) }
```

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

```
.border{ border-color:rgb(243, 106, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 106, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 106, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 106, 204);  
box-shadow:4px 4px 4px 4px rgb(243, 106,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7224, 0.3592, 0.2285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 106, 204) }
```

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

```
.background{ background-color: rgb(243,  
106, 204) }
```

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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