

Converting Colors

$Y_{xy}(37.4986, 0.3530, 0.2216)$

Have a look what the booklet for
Yxy(37.4986, 0.3530, 0.2216)
contains.

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Color

Yxy(37.5792, 0.3532, 0.2222)

Conversions

Conversions Part 1

Format	Color
Hex	FF6EDC
RGB	255, 110, 220
RGB Percent	100%, 43%, 86%
CMY	0.0000, 0.5686, 0.1373
CMYK	0.00, 0.57, 0.14, 0.00
HSL	314°, 100%, 72%
HSV	314°, 57%, 100%
XYZ	59.7344, 37.5792, 71.8098
YIQ	165.8950, 51.1100, 64.9500

Conversions

Conversions Part 2

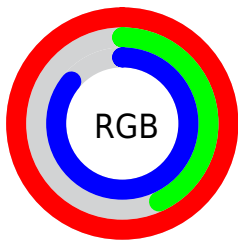
Format	Color
R _Y B	255, 110, 220
Decimal	16740060
CIE Lab	67.71, 67.47, -29.76
CIE LCh	68, 73.741, 336.196
Yxy	37.5792, 0.3532, 0.2222
Android (android.graphics.Color)	4294930140 (0xFFFF6EDC)
YUV	165.8950, 26.6738, 78.1451
Hunter-Lab	61.3019, 66.6574, -26.5417

Details

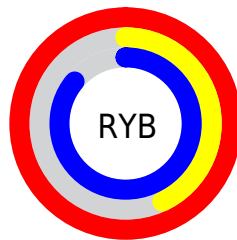
The Yxy color **37.5792, 0.3532, 0.2222** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.8802, 0.2896, 0.4707**, and the grayscale version is **37.9311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1174, 0.3167, 0.2431**, and **16.5153, 0.3614, 0.1964** is the 20% darker color. If you saturate the color by 10%, you get **32.5262, 0.3628, 0.2086**, and if you desaturate by 10%, it is **44.2288, 0.3441, 0.2388**.

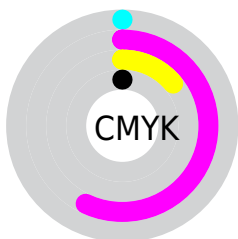
Distribution



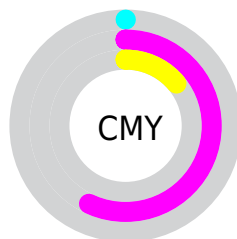
- Red (100%)
- Green (43%)
- Blue (86%)



- Red (100%)
- Yellow (43%)
- Blue (86%)



- Cyan (0%)
- Magenta (57%)
- Yellow (14%)
- Black (0%)





- Cyan (0%)
- Magenta (57%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5792, 0.3532, 0.2222 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 37.5792, 0.3532, 0.2222 by changing the saturation by 10% instead.


 37.5792, 0.3532,
0.2222


 37.5792, 0.3532,
0.2222


335.8114, 0.3348,
0.2719

 25.6563, 0.3573,
0.2109


 71.4627, 0.3469,
0.2394

 16.5667, 0.3622,
0.1971


 94.1921, 0.3444,
0.2461

 9.9260, 0.3682,
0.1799


 121.2923, 0.3423,
0.2519

 5.3499, 0.3758,
0.1578

153.1479, 0.3404,
0.2569

 2.4540, 0.3851,
0.1291

190.1432, 0.3387,
0.2613

 0.8535, 0.3965,
0.0911

232.6626, 0.3373,

 0.0000, 0.4265,

0.2653

0.0000

281.0906, 0.3359,
0.2688

0.0000, 0.3712,
0.0000

0.0000, 0.0000,
0.0000

37.5792, 0.3532,
0.2222

37.5792, 0.3532,
0.2222

32.5262, 0.3628,
0.2086

44.2288, 0.3441,
0.2388

28.9269, 0.3727,
0.1991


52.5956, 0.3358,
0.2574

26.6177, 0.3826,
0.1943

62.7918, 0.3283,
0.2771

25.3905, 0.3920,
0.1943

74.9195, 0.3218,
0.2968

 25.1296, 0.3949,
0.1949

 89.0729, 0.3161,
0.3162

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.



37.5792, 0.2475, 0.1850



37.5792, 0.3532, 0.2222



37.5792, 0.4632, 0.2798

Triad

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



37.5792, 0.3532, 0.2222



37.5792, 0.4404, 0.4954



37.5792, 0.1399, 0.2528

Complementary

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



37.5792, 0.3532, 0.2222



76.8802, 0.2896, 0.4707

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.



37.5792, 0.1742, 0.3623



37.5792, 0.3532, 0.2222



37.5792, 0.3461, 0.5356

Square

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



37.5792, 0.3532, 0.2222



37.5792, 0.5087, 0.4219



37.5792, 0.2485, 0.4865



37.5792, 0.1419, 0.1932

Rectangle

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



37.5792, 0.3532, 0.2222



37.5792, 0.5113, 0.3246



37.5792, 0.2485, 0.4865



37.5792, 0.1470, 0.2839

Sweetspot

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



37.5801, 0.3532, 0.2222



74.7363, 0.3218, 0.2966



24.2880, 0.2238, 0.1549



15.4422, 0.3231, 0.2926



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.



37.5801, 0.3532, 0.2222



32.0453, 0.3640, 0.2073



34.5727, 0.4388, 0.2905



18.2210, 0.3175, 0.3111



13.1554, 0.3935, 0.1941



1.2980, 0.3834, 0.1886

Inverse Universe

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



37.5801, 0.3532, 0.2222



32.0453, 0.3640, 0.2073



79.8106, 0.2575, 0.3762



18.2210, 0.3175, 0.3111



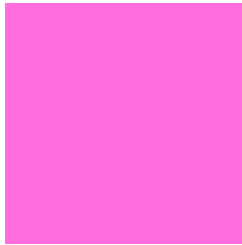
13.1554, 0.3935, 0.1941



1.2980, 0.3834, 0.1886

Previews

White Background



This preview shows how the Yxy color 37.5792, 0.3532, 0.2222 looks on a white background.

Color Contrast Check

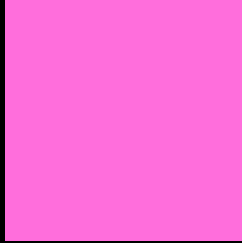
Large Text (above 18pt) WCAG AA × Fail

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 37.5792, 0.3532, 0.2222 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 37.5792, 0.3532, 0.2222

Background



This preview shows how black text looks on a background with the Yxy color 37.5792, 0.3532, 0.2222.



This preview shows how white text looks on a background with the Yxy color 37.5792, 0.3532, 0.2222.

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

37.5792, 0.3532, 0.2222

Protanopia

37.9662, 0.2271, 0.2130

Deuteranopia

37.7119, 0.2695, 0.2634



Tritanopia

37.6035, 0.4337, 0.3198

Trichromacy



Original Color

37.5792, 0.3532, 0.2222



Protanomaly

35.4028, 0.2619, 0.2109



Deuteranomaly

35.8374, 0.2970, 0.2421



Tritanomaly

37.3171, 0.4049, 0.2820

Monochromacy



Original Color

37.5792, 0.3532, 0.2222



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

36.1087, 0.3271, 0.2783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5792, 0.3532, 0.2222 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, 110, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 110, 220)  
}
```

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, 110, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 110, 220) }
```

Border

The CSS property to change the border of an element to Yxy 37.5792, 0.3532, 0.2222 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, 110, 220) }
```

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

```
.border{ border-color:rgb(255, 110, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 110, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 110, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 110, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 110,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5792, 0.3532, 0.2222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 110, 220) }
```

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

```
.background{ background-color: rgb(255,  
110, 220) }
```

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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