

Converting Colors

$Y_{xy}(46.7039, 0.4520, 0.2651)$

Have a look what the booklet for
Yxy(46.7039, 0.4520, 0.2651)
contains.

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Color

Yxy(33.6026, 0.3981, 0.2466)

Conversions

Conversions Part 1

Format	Color
Hex	FF63B7
RGB	255, 99, 183
RGB Percent	100%, 39%, 72%
CMY	0.0000, 0.6117, 0.2824
CMYK	0.00, 0.61, 0.28, 0.00
HSL	328°, 100%, 69%
HSV	328°, 61%, 100%
XYZ	54.2465, 33.6026, 48.4145
YIQ	155.2200, 66.0120, 59.1960

Conversions

Conversions Part 2

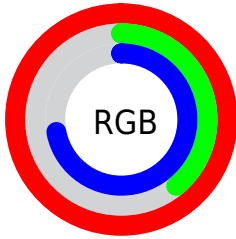
Format	Color
R _Y B	255, 99, 183
Decimal	16737207
CIE Lab	64.65, 67.13, -13.61
CIE LCh	65, 68.499, 348.542
Yxy	33.6026, 0.3981, 0.2466
Android (android.graphics.Color)	4294927287 (0xFFFF63B7)
YUV	155.2200, 13.6955, 87.5071
Hunter-Lab	57.9677, 65.5977, -8.9414

Details

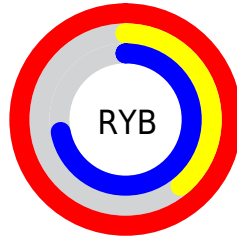
The Yxy color **33.6026, 0.3981, 0.2466** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.1137, 0.2738, 0.4375**, and the grayscale version is **32.7995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6059, 0.3304, 0.2475**, and **14.2251, 0.4227, 0.2239** is the 20% darker color. If you saturate the color by 10%, you get **29.0409, 0.4196, 0.2388**, and if you desaturate by 10%, it is **39.7335, 0.3784, 0.2578**.

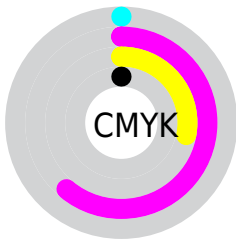
Distribution



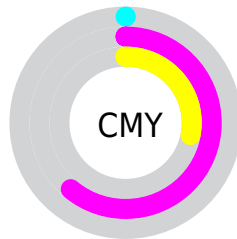
- Red (100%)
- Green (39%)
- Blue (72%)



- Red (100%)
- Yellow (39%)
- Blue (72%)



- Cyan (0%)
- Magenta (61%)
- Yellow (28%)
- Black (0%)




- Cyan (0%)
- Magenta (61%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6026, 0.3981, 0.2466 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 33.6026, 0.3981, 0.2466 by changing the saturation by 10% instead.


 33.6026, 0.3981,
0.2466


 33.6026, 0.3981,
0.2466


318.3564, 0.3547,
0.2872

 22.5885, 0.4091,
0.2367


 65.3152, 0.3822,
0.2612


 14.2899, 0.4232,
0.2243


 86.7825, 0.3763,
0.2667

 8.3226, 0.4421,
0.2081

 112.5029, 0.3713,
0.2714

 4.3021, 0.4684,
0.1862

 142.8609, 0.3670,
0.2754

 1.8439, 0.5074,
0.1556

178.2409, 0.3633,
0.2789

 0.5143, 0.5754,
0.1023

219.0272, 0.3601,

 0.0000, 0.7821,

0.2820

0.0000

265.6042, 0.3572,
0.2847

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

33.6026, 0.3981,
0.2466

33.6026, 0.3981,
0.2466

29.0409, 0.4196,
0.2388

39.7335, 0.3784,
0.2578

25.8930, 0.4421,
0.2356


47.5591, 0.3610,
0.2710

23.9806, 0.4645,
0.2377

57.1982, 0.3460,
0.2853

23.0732, 0.4836,
0.2438

68.7573, 0.3332,
0.2998

 82.3345, 0.3225,
0.3140

 98.0212, 0.3137,
0.3275

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



33.6026, 0.2887, 0.2010



33.6026, 0.3981, 0.2466



33.6026, 0.4901, 0.3085

Triad

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



33.6026, 0.3981, 0.2466



33.6026, 0.4019, 0.5135



33.6026, 0.1414, 0.2263

Complementary

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



33.6026, 0.3981, 0.2466



77.1137, 0.2738, 0.4375

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.



33.6026, 0.1599, 0.3129



33.6026, 0.3981, 0.2466



33.6026, 0.3062, 0.5204

Square

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



33.6026, 0.3981, 0.2466



33.6026, 0.4810, 0.4510



33.6026, 0.2172, 0.4350



33.6026, 0.1563, 0.1854

Rectangle

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



33.6026, 0.3981, 0.2466



33.6026, 0.5175, 0.3542



33.6026, 0.2172, 0.4350



33.6026, 0.1436, 0.2496

Sweetspot

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



33.6043, 0.3981, 0.2466



72.8395, 0.3296, 0.3044



24.6046, 0.2420, 0.1530



14.7871, 0.3329, 0.3002



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.



33.6043, 0.3981, 0.2466



28.3643, 0.4236, 0.2378



31.2440, 0.4988, 0.3223



18.1506, 0.3209, 0.3163



12.0870, 0.4802, 0.2419



1.1989, 0.4570, 0.2291

Inverse Universe

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



33.6043, 0.3981, 0.2466



28.3643, 0.4236, 0.2378



80.8998, 0.2412, 0.3380



18.1506, 0.3209, 0.3163



12.0870, 0.4802, 0.2419



1.1989, 0.4570, 0.2291

Previews

White Background



This preview shows how the Yxy color 33.6026, 0.3981, 0.2466 looks on a white background.

Color Contrast Check

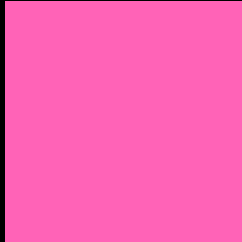
Large Text (above 18pt) WCAG AA × Fail

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 33.6026, 0.3981, 0.2466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

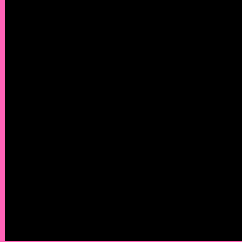
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6026, 0.3981, 0.2466

Background



This preview shows how black text looks on a background with the Yxy color 33.6026, 0.3981, 0.2466.



This preview shows how white text looks on a background with the Yxy color 33.6026, 0.3981, 0.2466.

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

33.6026, 0.3981, 0.2466

Protanopia

33.9509, 0.2455, 0.2377

Deuteranopia

33.7701, 0.3035, 0.2976



Tritanopia

33.5147, 0.4678, 0.3214

Trichromacy



Original Color

33.6026, 0.3981, 0.2466



Protanomaly

31.4657, 0.2887, 0.2351



Deuteranomaly

31.8597, 0.3357, 0.2711



Tritanomaly

33.4342, 0.4428, 0.2929

Monochromacy



Original Color

33.6026, 0.3981, 0.2466



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

31.1209, 0.3429, 0.2889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6026, 0.3981, 0.2466 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, 99, 183)` looks like.

```
.text, #text, p{  
  color:rgb(255, 99, 183)  
}
```

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, 99, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 183) }
```

Border

The CSS property to change the border of an element to Yxy 33.6026, 0.3981, 0.2466 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, 99, 183) }
```

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

```
.border{ border-color:rgb(255, 99, 183) }
```

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

Here you see how a box with a 4 pixel rgb(255, 99, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6026, 0.3981, 0.2466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 183) }
```

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

```
.background{ background-color: rgb(255, 99,  
183) }
```

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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