

Converting Colors

$Y_{xy}(34.1282, 0.3994, 0.2507)$

Have a look what the booklet for
Yxy(34.1282, 0.3994, 0.2507)
contains.

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Color

Yxy(34.0989, 0.3999, 0.2510)

Conversions

Conversions Part 1

Format	Color
Hex	FF66B5
RGB	255, 102, 181
RGB Percent	100%, 40%, 71%
CMY	0.0000, 0.5999, 0.2903
CMYK	0.00, 0.60, 0.29, 0.00
HSL	329°, 100%, 70%
HSV	329°, 60%, 100%
XYZ	54.3273, 34.0989, 47.4260
YIQ	156.7530, 65.8290, 57.0050

Conversions

Conversions Part 2

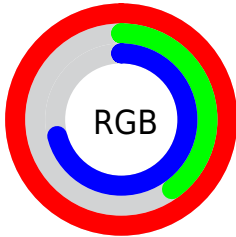
Format	Color
R _Y B	255, 102, 181
Decimal	16737973
CIE Lab	65.04, 65.64, -11.88
CIE LCh	65, 66.703, 349.741
Yxy	34.0989, 0.3999, 0.2510
Android (android.graphics.Color)	4294928053 (0xFFFF66B5)
YUV	156.7530, 11.9538, 86.1626
Hunter-Lab	58.3943, 63.8781, -7.2775

Details

The Yxy color **34.0989, 0.3999, 0.2510** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.4743, 0.2726, 0.4304**, and the grayscale version is **33.5267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1707, 0.3319, 0.2512**, and **14.4789, 0.4255, 0.2293** is the 20% darker color. If you saturate the color by 10%, you get **29.3506, 0.4225, 0.2432**, and if you desaturate by 10%, it is **40.4363, 0.3794, 0.2620**.

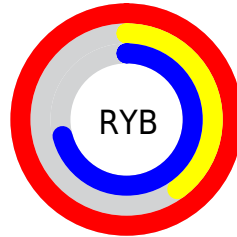
Distribution



Red (100%)

Green (40%)

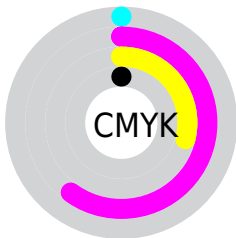
Blue (71%)



Red (100%)

Yellow (40%)

Blue (71%)

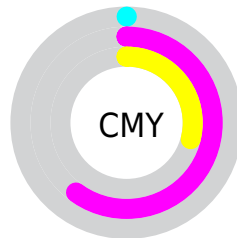


Cyan (0%)

Magenta (60%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0989, 0.3999, 0.2510 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 34.0989, 0.3999, 0.2510 by changing the saturation by 10% instead.


 34.0989, 0.3999,
0.2510


 34.0989, 0.3999,
0.2510


320.5728, 0.3555,
0.2896


 22.9696, 0.4112,
0.2416


 66.0874, 0.3836,
0.2649


 14.5711, 0.4257,
0.2296


 87.7155, 0.3775,
0.2701

 8.5189, 0.4452,
0.2140


 113.6118, 0.3724,
0.2746

 4.4287, 0.4725,
0.1929

 144.1609, 0.3680,
0.2784

 1.9162, 0.5131,
0.1630

179.7472, 0.3643,
0.2818

 0.5581, 0.5830,
0.1120

220.7550, 0.3610,

 0.0000, 0.8258,

0.2847

0.0000

267.5687, 0.3581,
0.2873

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.0989, 0.3999,
0.2510

■ 34.0989, 0.3999,
0.2510

■ 29.3506, 0.4225,
0.2432

■ 40.4363, 0.3794,
0.2620

■ 26.0386, 0.4463,
0.2399

■ 48.4866, 0.3613,
0.2749

■ 23.9887, 0.4702,
0.2419

■ 58.3674, 0.3458,
0.2887

■ 22.9145, 0.4931,
0.2490

■ 70.1840, 0.3327,
0.3026

■ 22.9135, 0.4931,
0.2490

■ 84.0340, 0.3218,
0.3162

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



34.0989, 0.2936, 0.2054



34.0989, 0.3999, 0.2510



34.0989, 0.4872, 0.3122

Triad

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



34.0989, 0.3999, 0.2510



34.0989, 0.3970, 0.5102



34.0989, 0.1453, 0.2270

Complementary

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



34.0989, 0.3999, 0.2510



77.4743, 0.2726, 0.4304

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.



34.0989, 0.1624, 0.3096



34.0989, 0.3999, 0.2510



34.0989, 0.3035, 0.5121

Square

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



34.0989, 0.3999, 0.2510



34.0989, 0.4748, 0.4519



34.0989, 0.2173, 0.4268



34.0989, 0.1612, 0.1882

Rectangle

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



34.0989, 0.3999, 0.2510



34.0989, 0.5122, 0.3573



34.0989, 0.2173, 0.4268



34.0989, 0.1472, 0.2493

Sweetspot

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



34.1006, 0.3999, 0.2510



72.7814, 0.3304, 0.3053



25.9515, 0.2480, 0.1581



14.7730, 0.3338, 0.3013



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.



34.1006, 0.3999, 0.2510



28.5772, 0.4272, 0.2421



31.7762, 0.4996, 0.3272



18.1437, 0.3213, 0.3168



12.0044, 0.4896, 0.2470



1.1909, 0.4650, 0.2335

Inverse Universe

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



34.1006, 0.3999, 0.2510



28.5772, 0.4272, 0.2421



81.3948, 0.2400, 0.3318



18.1437, 0.3213, 0.3168



12.0044, 0.4896, 0.2470



1.1909, 0.4650, 0.2335

Previews

White Background



This preview shows how the Yxy color 34.0989, 0.3999, 0.2510 looks on a white background.

Color Contrast Check

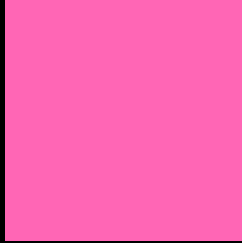
Large Text (above 18pt) WCAG AA × Fail

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 34.0989, 0.3999, 0.2510 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 34.0989, 0.3999, 0.2510

Background



This preview shows how black text looks on a background with the Yxy color 34.0989, 0.3999, 0.2510.



This preview shows how white text looks on a background with the Yxy color 34.0989, 0.3999, 0.2510.

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

34.0989, 0.3999, 0.2510

Protanopia

34.4143, 0.2510, 0.2443

Deuteranopia

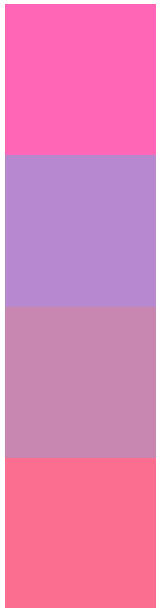
34.3438, 0.3081, 0.3021



Tritanopia

34.0155, 0.4641, 0.3213

Trichromacy



Original Color

34.0989, 0.3999, 0.2510

Protanomaly

31.9612, 0.2942, 0.2404

Deuteranomaly

32.6046, 0.3397, 0.2765

Tritanomaly

33.8609, 0.4419, 0.2948

Monochromacy



Original Color

34.0989, 0.3999, 0.2510

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

31.9820, 0.3436, 0.2906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0989, 0.3999, 0.2510 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 181) }
```

Border

The CSS property to change the border of an element to Yxy 34.0989, 0.3999, 0.2510 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, 181) }
```

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

```
.border{ border-color:rgb(255, 102, 181) }
```

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, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0989, 0.3999, 0.2510 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, 181) }
```

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

```
.background{ background-color: rgb(255,  
102, 181) }
```

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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