

Converting Colors

$Y_{xy}(34.4091, 0.4052, 0.2577)$

Have a look what the booklet for
Yxy(34.4091, 0.4052, 0.2577)
contains.

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Color

Yxy(34.4977, 0.4054, 0.2584)

Conversions

Conversions Part 1

Format	Color
Hex	FF69B0
RGB	255, 105, 176
RGB Percent	100%, 41%, 69%
CMY	0.0001, 0.5881, 0.3098
CMYK	0.00, 0.59, 0.31, 0.00
HSL	332°, 100%, 71%
HSV	332°, 59%, 100%
XYZ	54.1229, 34.4977, 44.8844
YIQ	157.9440, 66.6090, 53.8810

Conversions

Conversions Part 2

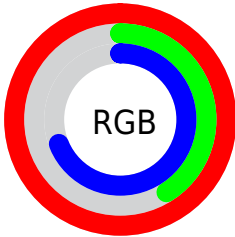
Format	Color
R_{YB}	255, 105, 176
Decimal	16738736
CIE _{Lab}	65.36, 63.76, -8.58
CIE _{LCh}	65, 64.333, 352.337
Yxy	34.4977, 0.4054, 0.2584
Android (android.graphics.Color)	4294928816 (0xFFFF69B0)
YUV	157.9440, 8.9016, 85.1181
Hunter-Lab	58.7347, 61.6985, -4.1944

Details

The Yxy color **34.4977, 0.4054, 0.2584** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **77.9722, 0.2701, 0.4193**, and the grayscale version is **34.1057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9269, 0.3359, 0.2587**, and **14.7259, 0.4320, 0.2375** is the 20% darker color. If you saturate the color by 10%, you get **29.5539, 0.4303, 0.2511**, and if you desaturate by 10%, it is **41.0542, 0.3830, 0.2687**.

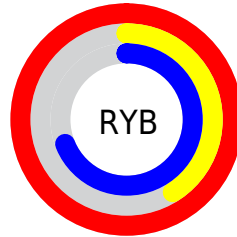
Distribution



Red (100%)

Green (41%)

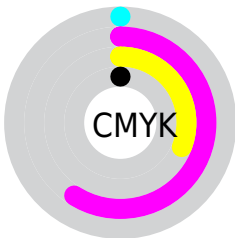
Blue (69%)



Red (100%)

Yellow (41%)

Blue (69%)

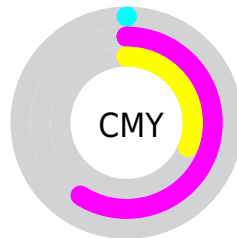


Cyan (0%)

Magenta (59%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (59%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4977, 0.4054, 0.2584 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 34.4977, 0.4054, 0.2584 by changing the saturation by 10% instead.


 34.4977, 0.4054,
0.2584


 34.4977, 0.4054,
0.2584

322.3456, 0.3579,
0.2937


 23.2762, 0.4176,
0.2497


 66.7069, 0.3879,
0.2712


 14.7976, 0.4334,
0.2385


 88.4634, 0.3814,
0.2760

 8.6775, 0.4546,
0.2238

 114.5003, 0.3759,
0.2801

 4.5314, 0.4845,
0.2037

 145.2021, 0.3712,
0.2836

 1.9750, 0.5294,
0.1747

180.9531, 0.3672,
0.2866

 0.5929, 0.6064,
0.1250

222.1378, 0.3637,

 0.0000, 0.9646,

0.2893

0.0000

269.1405, 0.3606,
0.2916

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.4977, 0.4054,
0.2584

■ 34.4977, 0.4054,
0.2584

■ 29.5539, 0.4303,
0.2511

■ 41.0542, 0.3830,
0.2687

■ 26.0720, 0.4568,
0.2482

■ 49.3457, 0.3634,
0.2807

■ 23.8818, 0.4834,
0.2505

■ 59.4887, 0.3467,
0.2934

■ 22.7344, 0.5087,
0.2582

■ 71.5879, 0.3328,
0.3062

■ 22.6292, 0.5116,
0.2592

■ 85.7402, 0.3212,
0.3186

99.9961, 0.3127,
0.3290

Harmonies

Analogous

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



34.4977, 0.3030, 0.2122



34.4977, 0.4054, 0.2584



34.4977, 0.4853, 0.3191

Triad

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



34.4977, 0.4054, 0.2584



34.4977, 0.3878, 0.5068



34.4977, 0.1504, 0.2261

Complementary

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



34.4977, 0.4054, 0.2584



77.9722, 0.2701, 0.4193

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.



34.4977, 0.1645, 0.3024



34.4977, 0.4054, 0.2584



34.4977, 0.2969, 0.5001

Square

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



34.4977, 0.4054, 0.2584



34.4977, 0.4648, 0.4548



34.4977, 0.2150, 0.4130



34.4977, 0.1686, 0.1911

Rectangle

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



34.4977, 0.4054, 0.2584



34.4977, 0.5059, 0.3635



34.4977, 0.2150, 0.4130



34.4977, 0.1514, 0.2466

Sweetspot

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



34.4995, 0.4054, 0.2584



72.6698, 0.3318, 0.3073



27.3335, 0.2538, 0.1632



14.7458, 0.3355, 0.3036



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.



34.4995, 0.4054, 0.2584



28.6768, 0.4360, 0.2501



32.9018, 0.4953, 0.3319



18.1303, 0.3220, 0.3178



11.8561, 0.5078, 0.2571



1.1763, 0.4809, 0.2423

Inverse Universe

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



34.4995, 0.4054, 0.2584



28.6768, 0.4360, 0.2501



80.1463, 0.2392, 0.3259



18.1303, 0.3220, 0.3178



11.8561, 0.5078, 0.2571



1.1763, 0.4809, 0.2423

Previews

White Background



This preview shows how the Yxy color 34.4977, 0.4054, 0.2584 looks on a white background.

Color Contrast Check

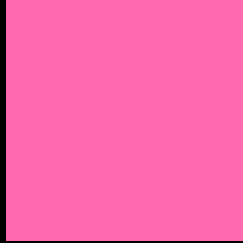
Large Text (above 18pt) WCAG AA × Fail

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 34.4977, 0.4054, 0.2584 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 34.4977, 0.4054, 0.2584

Background



This preview shows how black text looks on a background with the Yxy color 34.4977, 0.4054, 0.2584.



This preview shows how white text looks on a background with the Yxy color 34.4977, 0.4054, 0.2584.

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

34.4977, 0.4054, 0.2584

Protanopia

34.7464, 0.2587, 0.2545

Deuteranopia

34.4844, 0.3156, 0.3092



Tritanopia

34.4552, 0.4632, 0.3213

Trichromacy



Original Color

34.4977, 0.4054, 0.2584



Protanomaly

32.4445, 0.3024, 0.2513



Deuteranomaly

32.9661, 0.3470, 0.2842



Tritanomaly

34.2670, 0.4423, 0.2978

Monochromacy



Original Color

34.4977, 0.4054, 0.2584



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.5193, 0.3443, 0.2945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4977, 0.4054, 0.2584 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, 105, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 176)  
}
```

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, 105, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 176) }
```

Border

The CSS property to change the border of an element to Yxy 34.4977, 0.4054, 0.2584 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, 105, 176) }
```

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

```
.border{ border-color:rgb(255, 105, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 105, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4977, 0.4054, 0.2584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 176) }
```

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

```
.background{ background-color: rgb(255,  
105, 176) }
```

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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