

Converting Colors

$Y_{xy}(34.3993, 0.3454, 0.2010)$

Have a look what the booklet for
Yxy(34.3993, 0.3454, 0.2010)
contains.

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Color

Yxy(34.3993, 0.3454, 0.2010)

Conversions

Conversions Part 1

Format	Color
Hex	FF5BE5
RGB	255, 91, 229
RGB Percent	100%, 36%, 90%
CMY	0.0001, 0.6429, 0.1021
CMYK	0.00, 0.64, 0.10, 0.00
HSL	310°, 100%, 68%
HSV	310°, 64%, 100%
XYZ	59.1120, 34.3993, 77.6295
YIQ	155.7680, 53.4460, 77.6860

Conversions

Conversions Part 2

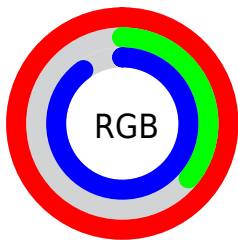
Format	Color
R _{YB}	255, 91, 229
Decimal	16735205
CIE _{Lab}	65.28, 76.45, -38.54
CIE _{LCh}	65, 85.617, 333.250
Yxy	34.3993, 0.3454, 0.2010
Android (android.graphics.Color)	4294925285 (0xFFFF5BE5)
YUV	155.7680, 36.1034, 87.0265
Hunter-Lab	58.6509, 77.2643, -37.4197

Details

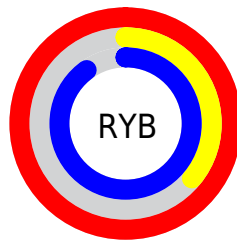
The Yxy color **34.3993, 0.3454, 0.2010** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **75.0137, 0.2938, 0.5091**, and the grayscale version is **32.9637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6132, 0.3174, 0.2284**, and **14.7929, 0.3515, 0.1726** is the 20% darker color. If you saturate the color by 10%, you get **30.5312, 0.3516, 0.1892**, and if you desaturate by 10%, it is **39.7562, 0.3392, 0.2167**.

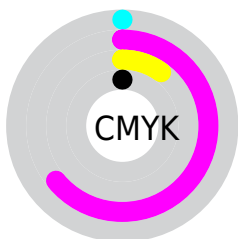
Distribution



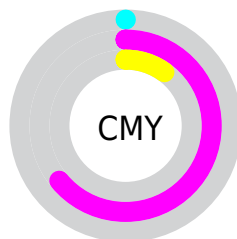
- Red (100%)
- Green (36%)
- Blue (90%)



- Red (100%)
- Yellow (36%)
- Blue (90%)



- Cyan (0%)
- Magenta (64%)
- Yellow (10%)
- Black (0%)




- Cyan (0%)
- Magenta (64%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3993, 0.3454, 0.2010 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 34.3993, 0.3454, 0.2010 by changing the saturation by 10% instead.


 34.3993, 0.3454,
0.2010


 34.3993, 0.3454,
0.2010


321.9089, 0.3317,
0.2597


 23.2005, 0.3480,
0.1880


 66.5541, 0.3410,
0.2211


 14.7416, 0.3510,
0.1723

 88.2790, 0.3392,
0.2290

 8.6383, 0.3543,
0.1529


 114.2813, 0.3376,
0.2358

 4.5060, 0.3577,
0.1288

 144.9455, 0.3362,
0.2418

 1.9604, 0.3605,
0.0986

180.6559, 0.3349,
0.2471

 0.5843, 0.3619,
0.0585

221.7971, 0.3337,

 0.0000, 0.3593,

0.2518

0.0000

268.7532, 0.3327,
0.2560

■ 0.0000, 0.2565,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.3993, 0.3454,
0.2010

■ 34.3993, 0.3454,
0.2010

■ 30.5312, 0.3516,
0.1892

■ 39.7562, 0.3392,
0.2167

■ 27.9900, 0.3577,
0.1819


■ 46.7321, 0.3333,
0.2353

■ 26.5850, 0.3634,
0.1793

■ 55.4484, 0.3278,
0.2558

■ 26.1363, 0.3666,
0.1793

■ 66.0139, 0.3227,
0.2773

 78.5281, 0.3182,
0.2990

 93.0836, 0.3142,
0.3202

99.9944, 0.3127,
0.3290

Harmonies

Analogous

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



34.3993, 0.2257, 0.1628



34.3993, 0.3454, 0.2010



34.3993, 0.4803, 0.2625

Triad

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



34.3993, 0.3454, 0.2010



34.3993, 0.4613, 0.5060



34.3993, 0.1176, 0.2457

Complementary

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



34.3993, 0.3454, 0.2010



75.0137, 0.2938, 0.5091

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.



34.3993, 0.1570, 0.3822



34.3993, 0.3454, 0.2010



34.3993, 0.3538, 0.5732

Square

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



34.3993, 0.3454, 0.2010



34.3993, 0.5412, 0.4163



34.3993, 0.2430, 0.5350



34.3993, 0.1178, 0.1757

Rectangle

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



34.3993, 0.3454, 0.2010



34.3993, 0.5418, 0.3105



34.3993, 0.2430, 0.5350



34.3993, 0.1257, 0.2837

Sweetspot

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



34.4009, 0.3454, 0.2010



72.4027, 0.3203, 0.2888



18.3976, 0.2011, 0.1278



14.7449, 0.3216, 0.2826



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.



34.4009, 0.3454, 0.2010



29.7259, 0.3533, 0.1868



30.8971, 0.4466, 0.2740



18.2479, 0.3162, 0.3092



13.6789, 0.3657, 0.1788



1.3446, 0.3597, 0.1755

Inverse Universe

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



34.4009, 0.3454, 0.2010



29.7259, 0.3533, 0.1868



77.7868, 0.2594, 0.4019



18.2479, 0.3162, 0.3092



13.6789, 0.3657, 0.1788



1.3446, 0.3597, 0.1755

Previews

White Background



This preview shows how the Yxy color 34.3993, 0.3454, 0.2010 looks on a white background.

Color Contrast Check

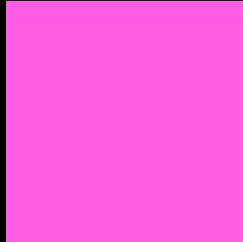
Large Text (above 18pt) WCAG AA × Fail

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 34.3993, 0.3454, 0.2010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

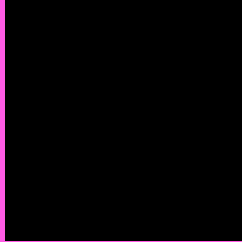
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.3993, 0.3454, 0.2010

Background



This preview shows how black text looks on a background with the Yxy color 34.3993, 0.3454, 0.2010.



This preview shows how white text looks on a background with the Yxy color 34.3993, 0.3454, 0.2010.

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

34.3993, 0.3454, 0.2010

Protanopia

34.9189, 0.2185, 0.2032

Deuteranopia

34.7174, 0.2498, 0.2444



Tritanopia

34.2246, 0.4493, 0.3209

Trichromacy



Original Color

34.3993, 0.3454, 0.2010



Protanomaly

31.4812, 0.2508, 0.1924



Deuteranomaly

31.9265, 0.2782, 0.2179



Tritanomaly

33.6103, 0.4111, 0.2711

Monochromacy



Original Color

34.3993, 0.3454, 0.2010



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.1279, 0.3254, 0.2628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3993, 0.3454, 0.2010 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, 91, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 91, 229)  
}
```

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, 91, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 91, 229) }
```

Border

The CSS property to change the border of an element to Yxy 34.3993, 0.3454, 0.2010 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, 91, 229) }
```

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

```
.border{ border-color:rgb(255, 91, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 91, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 91, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 91, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 91,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3993, 0.3454, 0.2010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 91, 229) }
```

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

```
.background{ background-color: rgb(255, 91,  
229) }
```

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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