

Converting Colors

$Y_{xy}(40.2805, 0.3335, 0.2125)$

Have a look what the booklet for
Yxy(40.2805, 0.3335, 0.2125)
contains.

Yxy(40.2146, 0.3334, 0.2122)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.2146, 0.3334, 0.2122)

Conversions

Conversions Part 1

Format	Color
Hex	FF75EF
RGB	255, 117, 239
RGB Percent	100%, 46%, 94%
CMY	0.0000, 0.5412, 0.0626
CMYK	0.00, 0.54, 0.06, 0.00
HSL	307°, 100%, 73%
HSV	307°, 54%, 100%
XYZ	63.1835, 40.2146, 86.1146
YIQ	172.1700, 43.0860, 67.1980

Conversions

Conversions Part 2

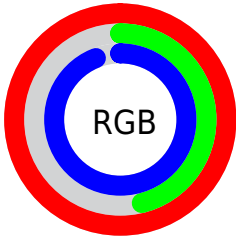
Format	Color
R _Y B	255, 117, 239
Decimal	16741871
CIE Lab	69.62, 67.31, -37.33
CIE LCh	70, 76.972, 330.987
Yxy	40.2146, 0.3334, 0.2122
Android (android.graphics.Color)	4294931951 (0xFFFF75EF)
YUV	172.1700, 32.9472, 72.6419
Hunter-Lab	63.4150, 66.8723, -36.1226

Details

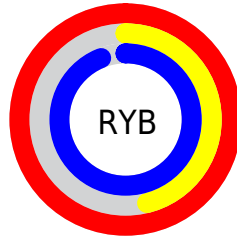
The Yxy color **40.2146, 0.3334, 0.2122** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.9934, 0.2979, 0.4846**, and the grayscale version is **41.1607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7521, 0.3164, 0.2498**, and **18.0471, 0.3351, 0.1857** is the 20% darker color. If you saturate the color by 10%, you get **34.8886, 0.3380, 0.1960**, and if you desaturate by 10%, it is **47.1650, 0.3289, 0.2315**.

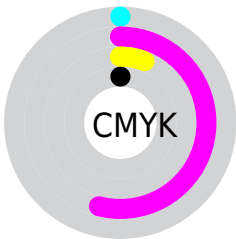
Distribution



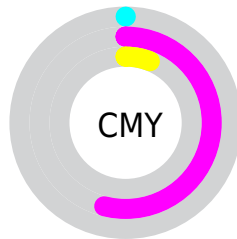
- Red (100%)
- Green (46%)
- Blue (94%)



- Red (100%)
- Yellow (46%)
- Blue (94%)



- Cyan (0%)
- Magenta (54%)
- Yellow (6%)
- Black (0%)




- Cyan (0%)
- Magenta (54%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2146, 0.3334, 0.2122 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 40.2146, 0.3334, 0.2122 by changing the saturation by 10% instead.


 40.2146, 0.3334,
0.2122


 40.2146, 0.3334,
0.2122

347.0272, 0.3255,
0.2652


 27.7059, 0.3347,
0.2005


 75.4902, 0.3310,
0.2303

 18.1041, 0.3361,
0.1864


 99.0259, 0.3300,
0.2374

 11.0247, 0.3375,
0.1690


 127.0060, 0.3290,
0.2436

 6.0835, 0.3385,
0.1473

159.8150, 0.3282,
0.2490

 2.8959, 0.3386,
0.1197

197.8372, 0.3274,
0.2538

 1.0776, 0.3358,
0.0847

241.4571, 0.3267,

 0.0000, 0.3394,

0.2580

0.0000

291.0589, 0.3261,
0.2618

■ 0.0000, 0.2803,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.2146, 0.3334,
0.2122

■ 40.2146, 0.3334,
0.2122

■ 34.8886, 0.3380,
0.1960

■ 47.1650, 0.3289,
0.2315

■ 31.0468, 0.3425,
0.1836

■ 55.8540, 0.3246,
0.2528

■ 28.5343, 0.3468,
0.1757

■ 66.3918, 0.3207,
0.2753

■ 27.1598, 0.3509,
0.1723

■ 78.8781, 0.3171,
0.2979

■ 26.7225, 0.3531,
0.1719

■ 93.4051, 0.3139,
0.3201

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.



40.2146, 0.2309, 0.1789



40.2146, 0.3334, 0.2122



40.2146, 0.4489, 0.2676

Triad

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



40.2146, 0.3334, 0.2122



40.2146, 0.4565, 0.4855



40.2146, 0.1404, 0.2668

Complementary

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



40.2146, 0.3334, 0.2122



76.9934, 0.2979, 0.4846

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.



40.2146, 0.1820, 0.3861



40.2146, 0.3334, 0.2122



40.2146, 0.3634, 0.5376

Square

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



40.2146, 0.3334, 0.2122



40.2146, 0.5192, 0.4091



40.2146, 0.2632, 0.5067



40.2146, 0.1367, 0.1980

Rectangle

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



40.2146, 0.3334, 0.2122



40.2146, 0.5055, 0.3119



40.2146, 0.2632, 0.5067



40.2146, 0.1497, 0.3016

Sweetspot

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



40.2165, 0.3334, 0.2122



76.3740, 0.3177, 0.2937



24.7526, 0.2162, 0.1586



15.7787, 0.3185, 0.2890



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.



40.2165, 0.3334, 0.2122



34.4920, 0.3384, 0.1947



36.9691, 0.4067, 0.2730



18.2620, 0.3156, 0.3082



13.9778, 0.3525, 0.1716



1.3708, 0.3484, 0.1693

Inverse Universe

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



40.2165, 0.3334, 0.2122



34.4920, 0.3384, 0.1947



79.4614, 0.2675, 0.3973



18.2620, 0.3156, 0.3082



13.9778, 0.3525, 0.1716



1.3708, 0.3484, 0.1693

Previews

White Background



This preview shows how the Yxy color 40.2146, 0.3334, 0.2122 looks on a white background.

Color Contrast Check

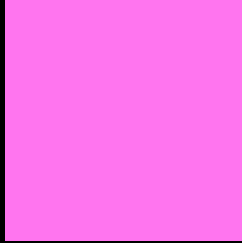
Large Text (above 18pt) WCAG AA × Fail

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 40.2146, 0.3334, 0.2122 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 40.2146, 0.3334, 0.2122

Background



This preview shows how black text looks on a background with the Yxy color 40.2146, 0.3334, 0.2122.

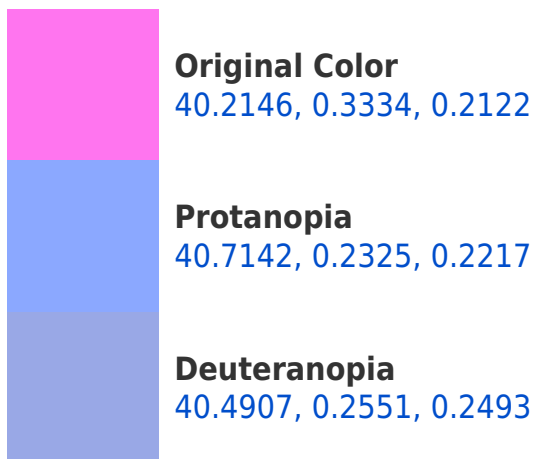


This preview shows how white text looks on a background with the Yxy color 40.2146, 0.3334, 0.2122.

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





Tritanopia

40.0476, 0.4160, 0.3184

Trichromacy



Original Color

40.2146, 0.3334, 0.2122



Protanomaly

38.1582, 0.2612, 0.2125



Deuteranomaly

38.3252, 0.2795, 0.2294



Tritanomaly

39.7497, 0.3853, 0.2753

Monochromacy



Original Color

40.2146, 0.3334, 0.2122



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

38.9986, 0.3210, 0.2748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2146, 0.3334, 0.2122 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, 117, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 239)  
}
```

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, 117, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 239) }
```

Border

The CSS property to change the border of an element to Yxy 40.2146, 0.3334, 0.2122 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, 117, 239) }
```

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

```
.border{ border-color:rgb(255, 117, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2146, 0.3334, 0.2122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 239) }
```

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

```
.background{ background-color: rgb(255,  
117, 239) }
```

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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