

Converting Colors

$Yxy(45.9685, 0.3346, 0.2341)$

Have a look what the booklet for
Yxy(45.9685, 0.3346, 0.2341)
contains.

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Color

Yxy(46.0723, 0.3345, 0.2343)

Conversions

Conversions Part 1

Format	Color
Hex	FF8CEC
RGB	255, 140, 236
RGB Percent	100%, 55%, 93%
CMY	0.0000, 0.4511, 0.0745
CMYK	0.00, 0.45, 0.07, 0.00
HSL	310°, 100%, 77%
HSV	310°, 45%, 100%
XYZ	65.7754, 46.0723, 84.7903
YIQ	185.3290, 37.7240, 54.2360

Conversions

Conversions Part 2

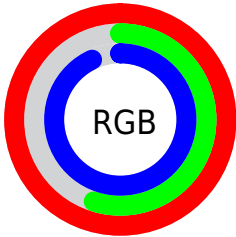
Format	Color
R _Y B	255, 140, 236
Decimal	16747756
CIE Lab	73.59, 56.09, -29.53
CIE LCh	74, 63.387, 332.230
Yxy	46.0723, 0.3345, 0.2343
Android (android.graphics.Color)	4294937836 (0xFFFF8CEC)
YUV	185.3290, 24.9808, 61.1015
Hunter-Lab	67.8766, 54.1905, -26.5505

Details

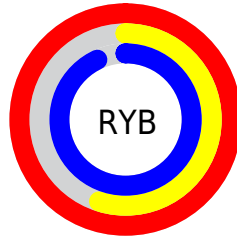
The Yxy color **46.0723, 0.3345, 0.2343** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.5942, 0.2971, 0.4477**, and the grayscale version is **48.5392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **21.5280, 0.3381, 0.2125** is the 20% darker color. If you saturate the color by 10%, you get **39.2150, 0.3406, 0.2160**, and if you desaturate by 10%, it is **54.6432, 0.3287, 0.2546**.

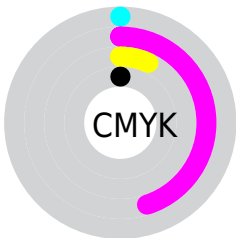
Distribution



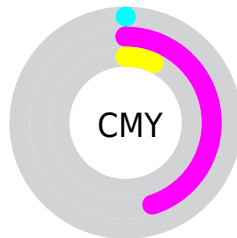
- Red (100%)
- Green (55%)
- Blue (93%)



- Red (100%)
- Yellow (55%)
- Blue (93%)



- Cyan (0%)
- Magenta (45%)
- Yellow (7%)
- Black (0%)




- Cyan (0%)
- Magenta (45%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0723, 0.3345, 0.2343 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 46.0723, 0.3345, 0.2343 by changing the saturation by 10% instead.

 46.0723, 0.3345,
0.2343


 46.0723, 0.3345,
0.2343


371.0992, 0.3254,
0.2775

 32.3029, 0.3363,
0.2247


 84.3272, 0.3315,
0.2491

 21.5929, 0.3384,
0.2129


 109.5814, 0.3303,
0.2549

 13.5581, 0.3409,
0.1983

139.4328, 0.3292,
0.2600

 7.8140, 0.3437,
0.1797

174.2656, 0.3283,
0.2644

 3.9761, 0.3467,
0.1555

214.4642, 0.3274,
0.2682

 1.6602, 0.3492,
0.1231

260.4131, 0.3267,

 0.3977, 0.3540,

0.2717

0.0667

312.4967, 0.3260,
0.2748

0.0000, 0.3430,
0.0000

0.0000, 0.0000,
0.0000

46.0723, 0.3345,
0.2343

46.0723, 0.3345,
0.2343

39.2150, 0.3406,
0.2160

54.6432, 0.3287,
0.2546

33.9780, 0.3471,
0.2007

65.0648, 0.3234,
0.2759

30.2153, 0.3535,
0.1894

77.4282, 0.3187,
0.2975

27.7677, 0.3599,
0.1825

91.8265, 0.3146,
0.3186

■ 26.4388, 0.3658,
0.1803

100.0000, 0.3127,
0.3290

■ 26.0593, 0.3687,
0.1805

Harmonies

Analogous

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



46.0723, 0.2503, 0.2047



46.0723, 0.3345, 0.2343



46.0723, 0.4239, 0.2828

Triad

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



46.0723, 0.3345, 0.2343



46.0723, 0.4325, 0.4638



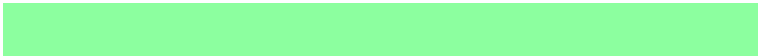
46.0723, 0.1696, 0.2794

Complementary

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



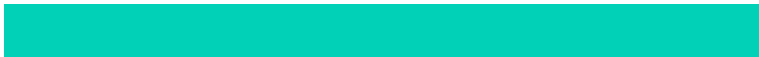
46.0723, 0.3345, 0.2343



79.5942, 0.2971, 0.4477

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.



46.0723, 0.2059, 0.3708



46.0723, 0.3345, 0.2343



46.0723, 0.3566, 0.4938

Square

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



46.0723, 0.3345, 0.2343



46.0723, 0.4806, 0.4054



46.0723, 0.2736, 0.4609



46.0723, 0.1661, 0.2219

Rectangle

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



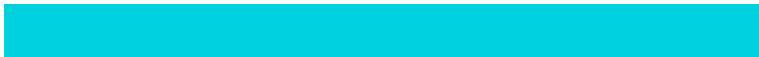
46.0723, 0.3345, 0.2343



46.0723, 0.4673, 0.3216



46.0723, 0.2736, 0.4609



46.0723, 0.1779, 0.3069

Sweetspot

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



46.0631, 0.3344, 0.2343



78.9259, 0.3182, 0.2998



33.1568, 0.2386, 0.1913



16.2758, 0.3192, 0.2952



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.



46.0631, 0.3344, 0.2343



39.8941, 0.3399, 0.2179



43.3110, 0.3906, 0.2873



18.2458, 0.3163, 0.3094



13.6356, 0.3677, 0.1799



1.3408, 0.3615, 0.1765

Inverse Universe

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



46.0631, 0.3344, 0.2343



39.8941, 0.3399, 0.2179



81.9854, 0.2702, 0.3767



18.2458, 0.3163, 0.3094



13.6356, 0.3677, 0.1799



1.3408, 0.3615, 0.1765

Previews

White Background



This preview shows how the Yxy color 46.0723, 0.3345, 0.2343 looks on a white background.

Color Contrast Check

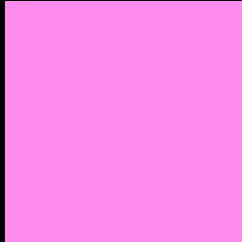
Large Text (above 18pt) WCAG AA × Fail

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 46.0723, 0.3345, 0.2343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

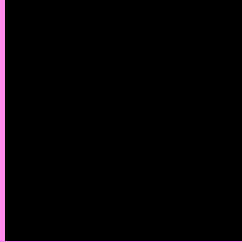
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0723, 0.3345, 0.2343

Background



This preview shows how black text looks on a background with the Yxy color 46.0723, 0.3345, 0.2343.



This preview shows how white text looks on a background with the Yxy color 46.0723, 0.3345, 0.2343.

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

46.0723, 0.3345, 0.2343

Protanopia

46.6283, 0.2456, 0.2382

Deuteranopia

46.4966, 0.2721, 0.2663



Tritanopia

46.0069, 0.3921, 0.3162

Trichromacy



Original Color

46.0723, 0.3345, 0.2343



Protanomaly

45.0250, 0.2727, 0.2343



Deuteranomaly

45.0736, 0.2918, 0.2507



Tritanomaly

45.9425, 0.3709, 0.2847

Monochromacy



Original Color

46.0723, 0.3345, 0.2343



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.4372, 0.3200, 0.2876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0723, 0.3345, 0.2343 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, 140, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 236)  
}
```

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, 140, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 236) }
```

Border

The CSS property to change the border of an element to Yxy 46.0723, 0.3345, 0.2343 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, 140, 236) }
```

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

```
.border{ border-color:rgb(255, 140, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 140, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 140, 236); box-shadow:4px 4px 4px 4px rgb(255, 140, 236) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0723, 0.3345, 0.2343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 236) }
```

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

```
.background{ background-color: rgb(255,  
140, 236) }
```

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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