

Converting Colors

$Yxy(36.4397, 0.3440, 0.2083)$

Have a look what the booklet for
Yxy(36.4397, 0.3440, 0.2083)
contains.

Yxy(36.4199, 0.3445, 0.2087)	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(36.4199, 0.3445, 0.2087)

Conversions

Conversions Part 1

Format	Color
Hex	FF66E5
RGB	255, 102, 229
RGB Percent	100%, 40%, 90%
CMY	0.0002, 0.5998, 0.1021
CMYK	0.00, 0.60, 0.10, 0.00
HSL	310°, 100%, 70%
HSV	310°, 60%, 100%
XYZ	60.1181, 36.4199, 77.9703
YIQ	162.2250, 50.4210, 71.9330

Conversions

Conversions Part 2

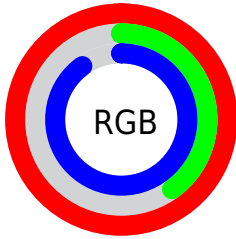
Format	Color
R _{YB}	255, 102, 229
Decimal	16738021
CIE _{Lab}	66.84, 72.13, -36.10
CIE _{LCh}	67, 80.664, 333.411
Yxy	36.4199, 0.3445, 0.2087
Android (android.graphics.Color)	4294928101 (0xFFFF66E5)
YUV	162.2250, 32.9201, 81.3637
Hunter-Lab	60.3489, 72.2069, -34.3580

Details

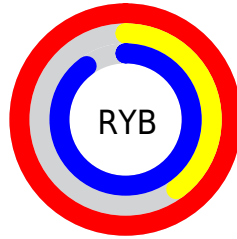
The Yxy color **36.4199, 0.3445, 0.2087** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **75.8780, 0.2936, 0.4936**, and the grayscale version is **36.0762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **15.8810, 0.3504, 0.1814** is the 20% darker color. If you saturate the color by 10%, you get **31.9151, 0.3512, 0.1953**, and if you desaturate by 10%, it is **42.4748, 0.3380, 0.2256**.

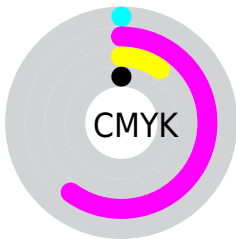
Distribution



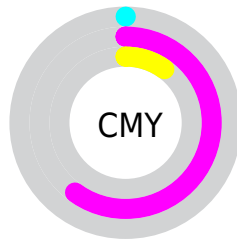
- Red (100%)
- Green (40%)
- Blue (90%)



- Red (100%)
- Yellow (40%)
- Blue (90%)



- Cyan (0%)
- Magenta (60%)
- Yellow (10%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.4199, 0.3445, 0.2087 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 36.4199, 0.3445, 0.2087 by changing the saturation by 10% instead.

 36.4199, 0.3445,
0.2087


 36.4199, 0.3445,
0.2087


330.7921, 0.3310,
0.2639


 24.7587, 0.3472,
0.1964


 69.6797, 0.3401,
0.2277


 15.8973, 0.3502,
0.1815


 92.0470, 0.3383,
0.2351

 9.4515, 0.3537,
0.1630


 118.7518, 0.3368,
0.2415

 5.0369, 0.3575,
0.1399

 150.1786, 0.3353,
0.2472

 2.2689, 0.3612,
0.1105

186.7115, 0.3341,
0.2521

 0.7572, 0.3634,
0.0729

228.7352, 0.3330,

 0.0000, 0.3694,

0.2565

0.0000

276.6339, 0.3320,
0.2604

■ 0.0000, 0.2862,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.4199, 0.3445,
0.2087

■ 36.4199, 0.3445,
0.2087

■ 31.9151, 0.3512,
0.1953

■ 42.4748, 0.3380,
0.2256

■ 28.8087, 0.3578,
0.1862


■ 50.2024, 0.3318,
0.2450


■ 26.9279, 0.3642,
0.1817

■ 59.7192, 0.3262,
0.2658

■ 25.9884, 0.3702,
0.1813

■ 71.1296, 0.3211,
0.2873

 25.9860, 0.3702,
0.1813

 84.5300, 0.3166,
0.3085

99.9890, 0.3127,
0.3290

99.9911, 0.3127,
0.3290

Harmonies

Analogous

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



36.4199, 0.2322, 0.1718



36.4199, 0.3445, 0.2087



36.4199, 0.4687, 0.2679

Triad

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



36.4199, 0.3445, 0.2087



36.4199, 0.4556, 0.4992



36.4199, 0.1282, 0.2525

Complementary

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



36.4199, 0.3445, 0.2087



75.8780, 0.2936, 0.4936

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.



36.4199, 0.1670, 0.3782



36.4199, 0.3445, 0.2087



36.4199, 0.3547, 0.5559

Square

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



36.4199, 0.3445, 0.2087



36.4199, 0.5285, 0.4165



36.4199, 0.2493, 0.5162



36.4199, 0.1278, 0.1851

Rectangle

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



36.4199, 0.3445, 0.2087



36.4199, 0.5259, 0.3144



36.4199, 0.2493, 0.5162



36.4199, 0.1364, 0.2880

Sweetspot

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



36.4216, 0.3445, 0.2087



73.6378, 0.3202, 0.2915



21.2857, 0.2110, 0.1420



14.9831, 0.3216, 0.2852



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.



36.4216, 0.3445, 0.2087



31.1887, 0.3525, 0.1931



33.0667, 0.4362, 0.2788



18.2442, 0.3164, 0.3095



13.6034, 0.3693, 0.1808



1.3379, 0.3628, 0.1772

Inverse Universe

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



36.4216, 0.3445, 0.2087



31.1887, 0.3525, 0.1931



78.6776, 0.2602, 0.3927



18.2442, 0.3164, 0.3095



13.6034, 0.3693, 0.1808



1.3379, 0.3628, 0.1772

Previews

White Background



This preview shows how the Yxy color 36.4199, 0.3445, 0.2087 looks on a white background.

Color Contrast Check

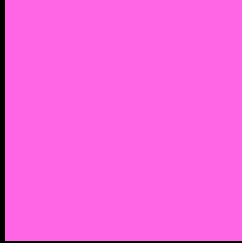
Large Text (above 18pt) WCAG AA × Fail

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 36.4199, 0.3445, 0.2087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

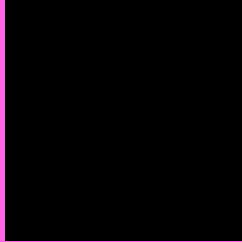
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.4199, 0.3445, 0.2087

Background



This preview shows how black text looks on a background with the Yxy color 36.4199, 0.3445, 0.2087.



This preview shows how white text looks on a background with the Yxy color 36.4199, 0.3445, 0.2087.

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

36.4199, 0.3445, 0.2087

Protanopia

36.8736, 0.2238, 0.2096

Deuteranopia

36.8073, 0.2564, 0.2512



Tritanopia

36.3688, 0.4368, 0.3197

Trichromacy



Original Color

36.4199, 0.3445, 0.2087



Protanomaly

34.1177, 0.2565, 0.2020



Deuteranomaly

34.5230, 0.2831, 0.2276



Tritanomaly

35.9989, 0.4031, 0.2748

Monochromacy



Original Color

36.4199, 0.3445, 0.2087



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.0371, 0.3257, 0.2703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4199, 0.3445, 0.2087 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 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, 102, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 229) }
```

Border

The CSS property to change the border of an element to Yxy 36.4199, 0.3445, 0.2087 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, 229) }
```

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

```
.border{ border-color:rgb(255, 102, 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, 102, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4199, 0.3445, 0.2087 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, 229) }
```

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

```
.background{ background-color: rgb(255,  
102, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor