

Converting Colors

$Y_{xy}(39.1506, 0.3429, 0.2181)$

Have a look what the booklet for
Yxy(39.1506, 0.3429, 0.2181)
contains.

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Color

Yxy(39.1786, 0.3434, 0.2187)

Conversions

Conversions Part 1

Format	Color
Hex	FF73E5
RGB	255, 115, 229
RGB Percent	100%, 45%, 90%
CMY	0.0000, 0.5490, 0.1020
CMYK	0.00, 0.55, 0.10, 0.00
HSL	311°, 100%, 73%
HSV	311°, 55%, 100%
XYZ	61.5177, 39.1786, 78.4468
YIQ	169.8560, 46.8460, 65.1340

Conversions

Conversions Part 2

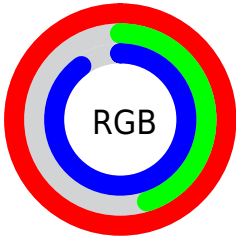
Format	Color
RYB	255, 115, 229
Decimal	16741349
CIELab	68.88, 66.64, -32.95
CIELCh	69, 74.341, 333.691
Yxy	39.1786, 0.3434, 0.2187
Android (android.graphics.Color)	4294931429 (0xFFFF73E5)
YUV	169.8560, 29.1580, 74.6713
Hunter-Lab	62.5928, 65.8967, -30.4924

Details

The Yxy color $39.1786, 0.3434, 0.2187$ is a light color, and the websafe version is hex `FF66CC`. A complement of this color would be $77.0874, 0.2935, 0.4750$, and the grayscale version is $39.9551, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.9850, 0.3165, 0.2479$, and $17.4476, 0.3490, 0.1935$ is the 20% darker color. If you saturate the color by 10%, you get $33.8833, 0.3506, 0.2036$, and if you desaturate by 10%, it is $46.0861, 0.3365, 0.2367$.

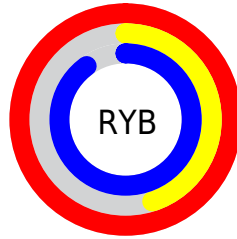
Distribution



Red (100%)

Green (45%)

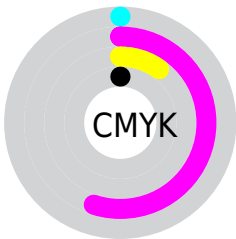
Blue (90%)



Red (100%)

Yellow (45%)

Blue (90%)

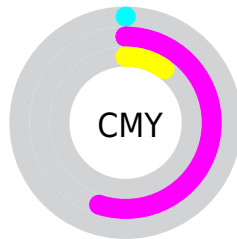


Cyan (0%)

Magenta (55%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (55%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.1786, 0.3434, 0.2187 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 39.1786, 0.3434, 0.2187 by changing the saturation by 10% instead.


 39.1786, 0.3434,
0.2187


 39.1786, 0.3434,
0.2187


342.6492, 0.3302,
0.2694


 26.8987, 0.3461,
0.2074


 73.9111, 0.3390,
0.2361

 17.4972, 0.3493,
0.1935


 97.1324, 0.3373,
0.2430

 10.5896, 0.3530,
0.1764


 124.7697, 0.3357,
0.2489

 5.7916, 0.3572,
0.1547

157.2074, 0.3344,
0.2540

 2.7188, 0.3619,
0.1267

194.8298, 0.3331,
0.2586

 0.9867, 0.3660,
0.0903

238.0213, 0.3320,

 0.0000, 0.3830,

0.2626

0.0000

287.1663, 0.3311,
0.2662

■ 0.0000, 0.3217,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.1786, 0.3434,
0.2187

■ 39.1786, 0.3434,
0.2187

■ 33.8833, 0.3506,
0.2036

■ 46.0861, 0.3365,
0.2367

■ 30.0684, 0.3580,
0.1925

■ 54.7310, 0.3301,
0.2567


■ 27.5736, 0.3652,
0.1858

■ 65.2210, 0.3243,
0.2776

■ 26.2036, 0.3721,
0.1839

■ 77.6563, 0.3192,
0.2987

 25.7964, 0.3755,
0.1842

 92.1301, 0.3147,
0.3192

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



39.1786, 0.2405, 0.1837



39.1786, 0.3434, 0.2187



39.1786, 0.4544, 0.2748

Triad

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



39.1786, 0.3434, 0.2187



39.1786, 0.4470, 0.4892



39.1786, 0.1421, 0.2605

Complementary

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



39.1786, 0.3434, 0.2187



77.0874, 0.2935, 0.4750

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.



39.1786, 0.1796, 0.3730



39.1786, 0.3434, 0.2187



39.1786, 0.3544, 0.5338

Square

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



39.1786, 0.3434, 0.2187



39.1786, 0.5115, 0.4155



39.1786, 0.2566, 0.4935



39.1786, 0.1412, 0.1971

Rectangle

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



39.1786, 0.3434, 0.2187



39.1786, 0.5059, 0.3190



39.1786, 0.2566, 0.4935



39.1786, 0.1501, 0.2930

Sweetspot

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



39.1772, 0.3434, 0.2187



76.1960, 0.3197, 0.2964



25.1132, 0.2224, 0.1591



15.7359, 0.3207, 0.2920



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.



39.1772, 0.3434, 0.2187



33.3958, 0.3514, 0.2022



36.0348, 0.4233, 0.2843



18.2391, 0.3167, 0.3099



13.5000, 0.3744, 0.1836



1.3288, 0.3672, 0.1797

Inverse Universe

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



39.1772, 0.3434, 0.2187



33.3958, 0.3514, 0.2022



79.8508, 0.2618, 0.3833



18.2391, 0.3167, 0.3099



13.5000, 0.3744, 0.1836



1.3288, 0.3672, 0.1797

Previews

White Background



This preview shows how the Yxy color 39.1786, 0.3434, 0.2187 looks on a white background.

Color Contrast Check

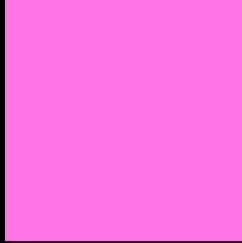
Large Text (above 18pt) WCAG AA × Fail

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 39.1786, 0.3434, 0.2187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

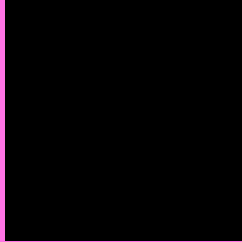
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.1786, 0.3434, 0.2187

Background



This preview shows how black text looks on a background with the Yxy color 39.1786, 0.3434, 0.2187.



This preview shows how white text looks on a background with the Yxy color 39.1786, 0.3434, 0.2187.

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

39.1786, 0.3434, 0.2187

Protanopia

39.7267, 0.2303, 0.2187

Deuteranopia

39.5608, 0.2625, 0.2571



Tritanopia

38.9651, 0.4233, 0.3185

Trichromacy



Original Color

39.1786, 0.3434, 0.2187



Protanomaly

37.1050, 0.2613, 0.2124



Deuteranomaly

37.4557, 0.2880, 0.2364



Tritanomaly

38.7127, 0.3930, 0.2785

Monochromacy



Original Color

39.1786, 0.3434, 0.2187



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

37.9918, 0.3248, 0.2780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1786, 0.3434, 0.2187 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, 115, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 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, 115, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 229) }
```

Border

The CSS property to change the border of an element to Yxy 39.1786, 0.3434, 0.2187 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, 115, 229) }
```

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

```
.border{ border-color:rgb(255, 115, 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, 115, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1786, 0.3434, 0.2187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 229) }
```

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

```
.background{ background-color: rgb(255,  
115, 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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