

Converting Colors

$Y_{xy}(33.1760, 0.3506, 0.2153)$

Have a look what the booklet for
Yxy(33.1760, 0.3506, 0.2153)
contains.

Yxy(33.2025, 0.3498, 0.2151)	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(33.2025, 0.3498, 0.2151)

Conversions

Conversions Part 1

Format	Color
Hex	F464D6
RGB	244, 100, 214
RGB Percent	96%, 39%, 84%
CMY	0.0432, 0.6077, 0.1609
CMYK	0.00, 0.59, 0.12, 0.04
HSL	313°, 87%, 67%
HSV	313°, 59%, 96%
XYZ	53.9946, 33.2025, 67.1614
YIQ	156.0520, 49.2300, 65.9820

Conversions

Conversions Part 2

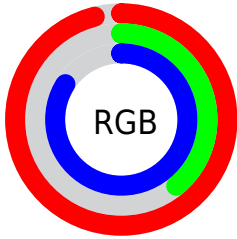
Format	Color
R_{YB}	244, 100, 214
Decimal	16016598
CIE _{Lab}	64.32, 67.88, -31.76
CIE _{LCh}	64, 74.938, 334.926
Yxy	33.2025, 0.3498, 0.2151
Android (android.graphics.Color)	4294206678 (0xFFFF464D6)
YUV	156.0520, 28.5684, 77.1304
Hunter-Lab	57.6216, 66.4264, -28.7708

Details

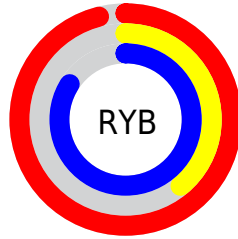
The Yxy color **33.2025, 0.3498, 0.2151** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **69.0135, 0.2913, 0.4829**, and the grayscale version is **33.1286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5939, 0.3172, 0.2338**, and **14.1406, 0.3582, 0.1881** is the 20% darker color. If you saturate the color by 10%, you get **28.9462, 0.3581, 0.2018**, and if you desaturate by 10%, it is **38.8710, 0.3419, 0.2317**.

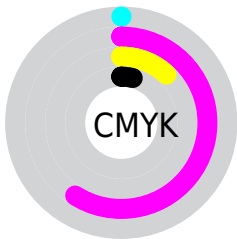
Distribution



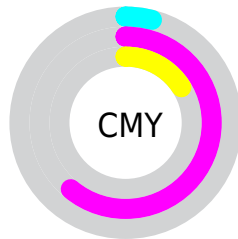
- Red (96%)
- Green (39%)
- Blue (84%)



- Red (96%)
- Yellow (39%)
- Blue (84%)



- Cyan (0%)
- Magenta (59%)
- Yellow (12%)
- Black (4%)





- Cyan (4%)
- Magenta (61%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2025, 0.3498, 0.2151 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 33.2025, 0.3498, 0.2151 by changing the saturation by 10% instead.


 33.2025, 0.3498,
0.2151


 33.2025, 0.3498,
0.2151


316.5612, 0.3330,
0.2688

 22.2816, 0.3534,
0.2028

 64.6916, 0.3441,
0.2338


 14.0640, 0.3577,
0.1877

 86.0285, 0.3419,
0.2410

 8.1652, 0.3630,
0.1687


 111.6063, 0.3399,
0.2473

 4.2008, 0.3692,
0.1445

 141.8093, 0.3382,
0.2527

 1.7865, 0.3764,
0.1129

177.0219, 0.3367,
0.2575

 0.4788, 0.3865,
0.0648

217.6285, 0.3353,

 0.0000, 0.3944,

0.2617

0.0000

264.0134, 0.3341,
0.2654

■ 0.0000, 0.0223,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.2025, 0.3498,
0.2151

■ 33.2025, 0.3498,
0.2151

■ 28.9462, 0.3581,
0.2018

■ 38.8710, 0.3419,
0.2317

■ 25.9680, 0.3664,
0.1927


■ 46.0605, 0.3345,
0.2506


■ 24.1162, 0.3745,
0.1883

■ 54.8745, 0.3279,
0.2707


■ 23.1608, 0.3823,
0.1883

■ 65.4060, 0.3219,
0.2912


 23.0850, 0.3831,
0.1884

 77.7411, 0.3168,
0.3114

 91.9600, 0.3123,
0.3309

 97.6251, 0.3090,
0.3343

 97.9478, 0.3061,
0.3293

 97.9695, 0.3060,
0.3290

Harmonies

Analogous

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



33.2025, 0.2399, 0.1778



33.2025, 0.3498, 0.2151



33.2025, 0.4676, 0.2739

Triad

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



33.2025, 0.3498, 0.2151



33.2025, 0.4481, 0.4987



33.2025, 0.1330, 0.2515

Complementary

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



33.2025, 0.3498, 0.2151



69.0135, 0.2913, 0.4829

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.



33.2025, 0.1695, 0.3695



33.2025, 0.3498, 0.2151



33.2025, 0.3499, 0.5475

Square

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



33.2025, 0.3498, 0.2151



33.2025, 0.5194, 0.4200



33.2025, 0.2479, 0.5019



33.2025, 0.1340, 0.1882

Rectangle

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



33.2025, 0.3498, 0.2151



33.2025, 0.5202, 0.3197



33.2025, 0.2479, 0.5019



33.2025, 0.1406, 0.2849

Sweetspot

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



33.2041, 0.3498, 0.2151



73.5289, 0.3214, 0.2932



20.3048, 0.2166, 0.1470



14.9562, 0.3230, 0.2872



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.



33.2041, 0.3498, 0.2151



31.1739, 0.3599, 0.1995



30.3403, 0.4392, 0.2845



16.7056, 0.3170, 0.3105



12.5752, 0.3819, 0.1878



1.1198, 0.3728, 0.1827

Inverse Universe

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



33.2041, 0.3498, 0.2151



31.1739, 0.3599, 0.1995



71.6081, 0.2585, 0.3847



16.7056, 0.3170, 0.3105



12.5752, 0.3819, 0.1878



1.1198, 0.3728, 0.1827

Previews

White Background



This preview shows how the Yxy color 33.2025, 0.3498, 0.2151 looks on a white background.

Color Contrast Check

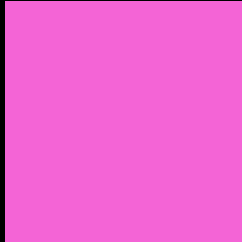
Large Text (above 18pt) WCAG AA × Fail

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 33.2025, 0.3498, 0.2151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

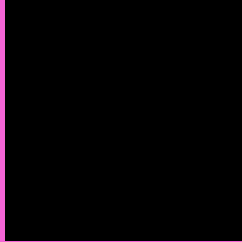
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2025, 0.3498, 0.2151

Background



This preview shows how black text looks on a background with the Yxy color 33.2025, 0.3498, 0.2151.



This preview shows how white text looks on a background with the Yxy color 33.2025, 0.3498, 0.2151.

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

33.2025, 0.3498, 0.2151

Protanopia

33.7155, 0.2161, 0.1989

Deuteranopia

33.5387, 0.2630, 0.2576



Tritanopia

32.9486, 0.4374, 0.3193

Trichromacy



Original Color

33.2025, 0.3498, 0.2151



Protanomaly

31.1280, 0.2509, 0.1984



Deuteranomaly

31.4280, 0.2906, 0.2344



Tritanomaly

32.5606, 0.4046, 0.2768

Monochromacy



Original Color

33.2025, 0.3498, 0.2151



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.4740, 0.3269, 0.2745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2025, 0.3498, 0.2151 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(244, 100, 214)` looks like.

```
.text, #text, p{  
    color:rgb(244, 100, 214)  
}
```

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(244, 100, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 100, 214) }
```

Border

The CSS property to change the border of an element to Yxy 33.2025, 0.3498, 0.2151 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(244, 100, 214) }
```

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

```
.border{ border-color:rgb(244, 100, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 100, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 100, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 100, 214);  
box-shadow:4px 4px 4px 4px rgb(244, 100,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2025, 0.3498, 0.2151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 100, 214) }
```

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

```
.background{ background-color: rgb(244,  
100, 214) }
```

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