

Converting Colors

$Y_{xy}(66.3006, 0.3233, 0.2789)$

Have a look what the booklet for
Yxy(66.3006, 0.3233, 0.2789)
contains.

Yxy(66.3752, 0.3235, 0.2794)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.3752, 0.3235, 0.2794)

Conversions

Conversions Part 1

Format	Color
Hex	FFC2F4
RGB	255, 194, 244
RGB Percent	100%, 76%, 96%
CMY	0.0001, 0.2391, 0.0432
CMYK	0.00, 0.24, 0.04, 0.00
HSL	311°, 100%, 88%
HSV	311°, 24%, 100%
XYZ	76.8517, 66.3752, 94.3364
YIQ	217.9390, 20.3060, 28.4820

Conversions

Conversions Part 2

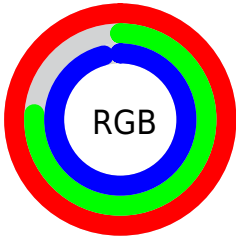
Format	Color
R _Y B	255, 194, 244
Decimal	16761588
CIE Lab	85.19, 29.66, -16.20
CIE LCh	85, 33.795, 331.350
Yxy	66.3752, 0.3235, 0.2794
Android (android.graphics.Color)	4294951668 (0xFFFFC2F4)
YUV	217.9390, 12.8481, 32.5025
Hunter-Lab	81.4710, 25.8052, -11.6231

Details

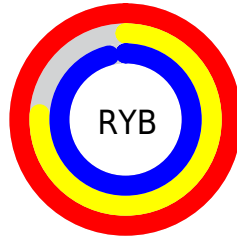
The Yxy color $66.3752, 0.3235, 0.2794$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $87.3841, 0.3035, 0.3843$, and the grayscale version is $69.9668, 0.3127, 0.3290$.

A 20% lighter version of the original color is $97.4744, 0.3129, 0.3252$, and $34.3928, 0.3257, 0.2684$ is the 20% darker color. If you saturate the color by 10%, you get $55.7085, 0.3291, 0.2583$, and if you desaturate by 10%, it is $79.0018, 0.3186, 0.3006$.

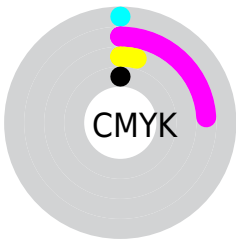
Distribution



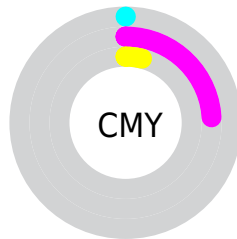
- Red (100%)
- Green (76%)
- Blue (96%)



- Red (100%)
- Yellow (76%)
- Blue (96%)



- Cyan (0%)
- Magenta (24%)
- Yellow (4%)
- Black (0%)





- Cyan (0%)
- Magenta (24%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.3752, 0.3235, 0.2794 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 66.3752, 0.3235, 0.2794 by changing the saturation by 10% instead.

 66.3752, 0.3235,
0.2794

 66.3752, 0.3235,
0.2794


447.7175, 0.3189,
0.3017

 48.5770, 0.3245,
0.2745


 114.0247, 0.3220,
0.2870

 34.2841, 0.3256,
0.2684


144.6448, 0.3213,
0.2900

 23.1119, 0.3270,
0.2609


180.3077, 0.3208,
0.2926

 14.6762, 0.3288,
0.2513

221.3977, 0.3203,
0.2949

 8.5924, 0.3309,
0.2385

268.2993, 0.3199,
0.2969

 4.4763, 0.3337,
0.2208


321.3969, 0.3195,


 1.9434, 0.3371,


0.2987


0.1950


381.0749, 0.3192,
0.3003

 0.5743, 0.3438,
0.1466


 0.0000, 0.2825,
0.0000


 66.3752, 0.3235,
0.2794


 66.3752, 0.3235,
0.2794

 55.7085, 0.3291,
0.2583


 79.0018, 0.3186,
0.3006

 46.8935, 0.3353,
0.2381

 93.6719, 0.3142,
0.3212

 39.8250, 0.3419,
0.2198

99.9953, 0.3127,
0.3290

 34.3835, 0.3489,
0.2043

■ 30.4346, 0.3561,
0.1926

■ 27.8223, 0.3631,
0.1854

■ 26.3560, 0.3698,
0.1829

■ 25.8590, 0.3737,
0.1832

Harmonies

Analogous

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



66.3752, 0.2821, 0.2636



66.3752, 0.3235, 0.2794



66.3752, 0.3644, 0.3065

Triad

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



66.3752, 0.3235, 0.2794



66.3752, 0.3757, 0.3974



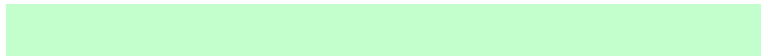
66.3752, 0.2399, 0.3100

Complementary

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



66.3752, 0.3235, 0.2794



87.3841, 0.3035, 0.3843

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.



66.3752, 0.2618, 0.3509



66.3752, 0.3235, 0.2794



66.3752, 0.3397, 0.4044

Square

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



66.3752, 0.3235, 0.2794



66.3752, 0.3952, 0.3727



66.3752, 0.2980, 0.3873



66.3752, 0.2362, 0.2784

Rectangle

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



66.3752, 0.3235, 0.2794



66.3752, 0.3846, 0.3283



66.3752, 0.2980, 0.3873



66.3752, 0.2453, 0.3231

Sweetspot

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



66.3781, 0.3235, 0.2794



88.9297, 0.3155, 0.3149



58.6731, 0.2786, 0.2624



18.8407, 0.3158, 0.3137



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.



66.3781, 0.3235, 0.2794



60.7189, 0.3263, 0.2686



64.7197, 0.3463, 0.3083



18.2409, 0.3166, 0.3097



13.5353, 0.3727, 0.1827



1.3319, 0.3657, 0.1788

Inverse Universe

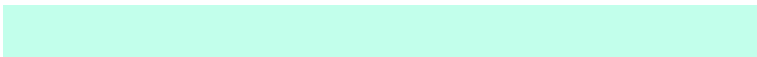
The Inverse Universe completely reimagines the original color for something new.



66.3781, 0.3235, 0.2794



60.7189, 0.3263, 0.2686



88.9542, 0.2877, 0.3508



18.2409, 0.3166, 0.3097



13.5353, 0.3727, 0.1827



1.3319, 0.3657, 0.1788

Previews

White Background



This preview shows how the Yxy color 66.3752, 0.3235, 0.2794 looks on a white background.

Color Contrast Check

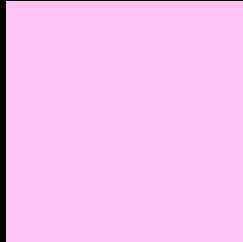
Large Text (above 18pt) WCAG AA × Fail

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 66.3752, 0.3235, 0.2794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

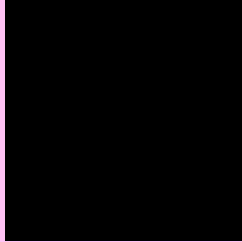
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.3752, 0.3235, 0.2794

Background



This preview shows how black text looks on a background with the Yxy color 66.3752, 0.3235, 0.2794.



This preview shows how white text looks on a background with the Yxy color 66.3752, 0.3235, 0.2794.

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

66.3752, 0.3235, 0.2794

Protanopia

66.6459, 0.2797, 0.2814

Deuteranopia

66.8348, 0.2999, 0.2936



Tritanopia

66.2624, 0.3419, 0.3126

Trichromacy



Original Color

66.3752, 0.3235, 0.2794



Protanomaly

66.3157, 0.2948, 0.2805



Deuteranomaly

66.4463, 0.3079, 0.2882



Tritanomaly

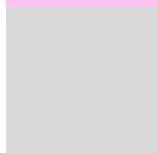
66.1189, 0.3344, 0.2995

Monochromacy



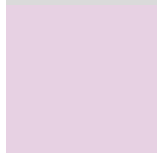
Original Color

66.3752, 0.3235, 0.2794



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

68.1359, 0.3166, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3752, 0.3235, 0.2794 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, 194, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 244)  
}
```

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, 194, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 244) }
```

Border

The CSS property to change the border of an element to Yxy 66.3752, 0.3235, 0.2794 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, 194, 244) }
```

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

```
.border{ border-color:rgb(255, 194, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 194, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3752, 0.3235, 0.2794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 244) }
```

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

```
.background{ background-color: rgb(255,  
194, 244) }
```

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