

Converting Colors

$Y_{xy}(58.8665, 0.3380, 0.2795)$

Have a look what the booklet for
Yxy(58.8665, 0.3380, 0.2795)
contains.

Yxy(58.6468, 0.3383, 0.2794)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.6468, 0.3383, 0.2794)

Conversions

Conversions Part 1

Format	Color
Hex	FFB2E3
RGB	255, 178, 227
RGB Percent	100%, 70%, 89%
CMY	0.0002, 0.3018, 0.1098
CMYK	0.00, 0.30, 0.11, 0.00
HSL	322°, 100%, 85%
HSV	322°, 30%, 100%
XYZ	71.0101, 58.6468, 80.2458
YIQ	206.6090, 30.1630, 31.5630

Conversions

Conversions Part 2

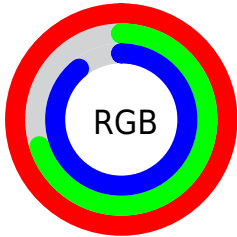
Format	Color
R _Y B	255, 178, 227
Decimal	16757475
CIE Lab	81.10, 35.17, -13.25
CIE LCh	81, 37.585, 339.363
Yxy	58.6468, 0.3383, 0.2794
Android (android.graphics.Color)	4294947555 (0xFFFFB2E3)
YUV	206.6090, 10.0528, 42.4389
Hunter-Lab	76.5812, 31.4974, -8.5203

Details

The Yxy color **58.6468, 0.3383, 0.2794** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **85.4106, 0.2938, 0.3846**, and the grayscale version is **62.0529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3256, 0.3137, 0.3088**, and **29.2642, 0.3437, 0.2669** is the 20% darker color. If you saturate the color by 10%, you get **48.9292, 0.3498, 0.2627**, and if you desaturate by 10%, it is **70.2825, 0.3284, 0.2963**.

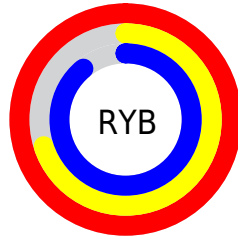
Distribution



Red (100%)

Green (70%)

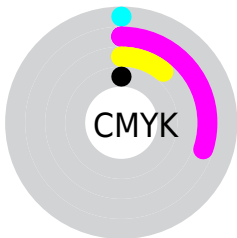
Blue (89%)



Red (100%)

Yellow (70%)

Blue (89%)

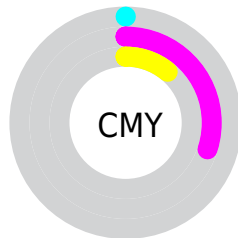


Cyan (0%)

Magenta (30%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (30%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.6468, 0.3383, 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 58.6468, 0.3383, 0.2794 by changing the saturation by 10% instead.


 58.6468, 0.3383,
0.2794

 58.6468, 0.3383,
0.2794


419.5918, 0.3265,
0.3022

 42.3289, 0.3410,
0.2742


 102.8642, 0.3342,
0.2873

 29.3589, 0.3443,
0.2679


131.5324, 0.3326,
0.2904

 19.3525, 0.3485,
0.2598


165.0861, 0.3312,
0.2930

 11.9252, 0.3539,
0.2494

203.9098, 0.3301,
0.2953

 6.6928, 0.3613,
0.2354

248.3878, 0.3290,
0.2974

 3.2707, 0.3719,
0.2155


298.9045, 0.3281,

 1.2747, 0.3880,


0.2992

0.1853


355.8444, 0.3272,
0.3008

 0.1215, 0.4534,
0.0561


 0.0000, 0.0000,
0.0000

 58.6468, 0.3383,
0.2794


 58.6468, 0.3383,
0.2794

 48.9292, 0.3498,
0.2627


 70.2825, 0.3284,
0.2963

 41.0168, 0.3630,
0.2471

 83.9254, 0.3199,
0.3129

 34.7969, 0.3777,
0.2336

99.6685, 0.3128,
0.3287

 30.1411, 0.3935,
0.2234

99.9900, 0.3127,
0.3290

■ 26.9019, 0.4100,
0.2176

■ 24.9036, 0.4264,
0.2169

■ 23.8691, 0.4421,
0.2209

Harmonies

Analogous

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



58.6468, 0.2891, 0.2576



58.6468, 0.3383, 0.2794



58.6468, 0.3832, 0.3125

Triad

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



58.6468, 0.3383, 0.2794



58.6468, 0.3753, 0.4127



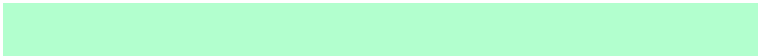
58.6468, 0.2260, 0.2951

Complementary

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



58.6468, 0.3383, 0.2794



85.4106, 0.2938, 0.3846

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.



58.6468, 0.2454, 0.3411



58.6468, 0.3383, 0.2794



58.6468, 0.3305, 0.4146

Square

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



58.6468, 0.3383, 0.2794



58.6468, 0.4045, 0.3876



58.6468, 0.2830, 0.3875



58.6468, 0.2276, 0.2637

Rectangle

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



58.6468, 0.3383, 0.2794



58.6468, 0.4027, 0.3380



58.6468, 0.2830, 0.3875



58.6468, 0.2302, 0.3092

Sweetspot

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



58.6495, 0.3383, 0.2794



85.6958, 0.3190, 0.3148



52.0427, 0.2781, 0.2447



17.8822, 0.3201, 0.3124



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.



58.6495, 0.3383, 0.2794



52.7800, 0.3448, 0.2696



56.8026, 0.3706, 0.3171



18.1818, 0.3194, 0.3140



12.5077, 0.4396, 0.2195



1.2388, 0.4224, 0.2101

Inverse Universe

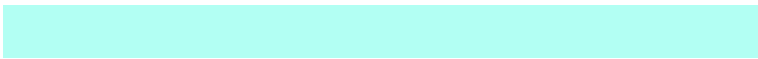
The Inverse Universe completely reimagines the original color for something new.



58.6495, 0.3383, 0.2794



52.7800, 0.3448, 0.2696



87.4509, 0.2747, 0.3415



18.1818, 0.3194, 0.3140



12.5077, 0.4396, 0.2195



1.2388, 0.4224, 0.2101

Previews

White Background



This preview shows how the Yxy color 58.6468, 0.3383, 0.2794 looks on a white background.

Color Contrast Check

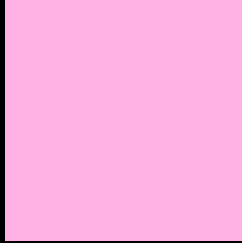
Large Text (above 18pt) WCAG AA × Fail

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 58.6468, 0.3383, 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 58.6468, 0.3383, 0.2794

Background



This preview shows how black text looks on a background with the Yxy color 58.6468, 0.3383, 0.2794.



This preview shows how white text looks on a background with the Yxy color 58.6468, 0.3383, 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

58.6468, 0.3383, 0.2794

Protanopia

58.9969, 0.2800, 0.2822

Deuteranopia

58.7106, 0.3042, 0.2973



Tritanopia

58.4074, 0.3595, 0.3144

Trichromacy



Original Color

58.6468, 0.3383, 0.2794



Protanomaly

58.3543, 0.2996, 0.2806



Deuteranomaly

58.1623, 0.3162, 0.2897



Tritanomaly

58.2973, 0.3514, 0.3010

Monochromacy



Original Color

58.6468, 0.3383, 0.2794



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

60.1822, 0.3216, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6468, 0.3383, 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, 178, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 227)  
}
```

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, 178, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 227) }
```

Border

The CSS property to change the border of an element to Yxy 58.6468, 0.3383, 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, 178, 227) }
```

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

```
.border{ border-color:rgb(255, 178, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 178, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6468, 0.3383, 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, 178, 227) }
```

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

```
.background{ background-color: rgb(255,  
178, 227) }
```

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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