

Converting Colors

$Y_{xy}(71.0488, 0.3583, 0.2685)$

Have a look what the booklet for
Yxy(71.0488, 0.3583, 0.2685)
contains.

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Color

Yxy(60.8046, 0.3199, 0.2600)

Conversions

Conversions Part 1

Format	Color
Hex	FFB4FA
RGB	255, 180, 250
RGB Percent	100%, 71%, 98%
CMY	0.0001, 0.2941, 0.0196
CMYK	0.00, 0.29, 0.02, 0.00
HSL	304°, 100%, 85%
HSV	304°, 29%, 100%
XYZ	74.8130, 60.8046, 98.2462
YIQ	210.4050, 22.2300, 37.6700

Conversions

Conversions Part 2

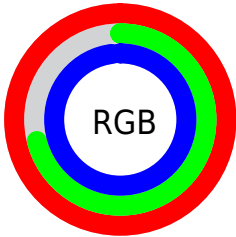
Format	Color
R _Y B	255, 180, 250
Decimal	16758010
CIE Lab	82.27, 38.06, -23.83
CIE LCh	82, 44.903, 327.954
Yxy	60.8046, 0.3199, 0.2600
Android (android.graphics.Color)	4294948090 (0xFFFFB4FA)
YUV	210.4050, 19.5203, 39.1098
Hunter-Lab	77.9773, 34.7963, -20.1173

Details

The Yxy color **60.8046, 0.3199, 0.2600** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **84.7159, 0.3060, 0.4093**, and the grayscale version is **64.5887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0484, 0.3135, 0.3117**, and **30.6423, 0.3209, 0.2451** is the 20% darker color. If you saturate the color by 10%, you get **51.3355, 0.3227, 0.2371**, and if you desaturate by 10%, it is **72.1737, 0.3172, 0.2837**.

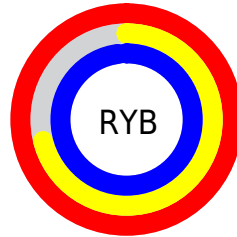
Distribution



Red (100%)

Green (71%)

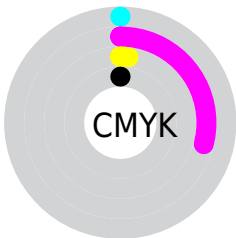
Blue (98%)



Red (100%)

Yellow (71%)

Blue (98%)

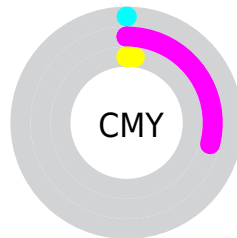


Cyan (0%)

Magenta (29%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (29%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.8046, 0.3199, 0.2600 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 60.8046, 0.3199, 0.2600 by changing the saturation by 10% instead.

 60.8046, 0.3199,
0.2600

 60.8046, 0.3199,
0.2600


427.5572, 0.3173,
0.2909

 44.0675, 0.3203,
0.2532

 105.9960, 0.3191,
0.2705

 30.7236, 0.3208,
0.2449


135.2190, 0.3188,
0.2747

 20.3884, 0.3212,
0.2346


169.3728, 0.3185,
0.2783

 12.6777, 0.3216,
0.2216

208.8418, 0.3182,
0.2814

 7.2070, 0.3217,
0.2045

254.0103, 0.3179,
0.2842

 3.5919, 0.3211,
0.1813

305.2628, 0.3177,

 1.4480, 0.3187,

0.2867

0.1483

362.9836, 0.3175,
0.2889

0.2517, 0.3216,
0.0668

0.0000, 0.1365,
0.0000

60.8046, 0.3199,
0.2600

60.8046, 0.3199,
0.2600

51.3355, 0.3227,
0.2371

72.1737, 0.3172,
0.2837

43.6542, 0.3256,
0.2160

85.5306, 0.3148,
0.3073

37.6497, 0.3285,
0.1976

99.9968, 0.3127,
0.3290

33.1947, 0.3314,
0.1828

■ 30.1441, 0.3340,
0.1723

■ 28.3254, 0.3364,
0.1662

■ 27.4737, 0.3385,
0.1640

■ 27.4346, 0.3386,
0.1639

Harmonies

Analogous

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



60.8046, 0.2652, 0.2412



60.8046, 0.3199, 0.2600



60.8046, 0.3775, 0.2936

Triad

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



60.8046, 0.3199, 0.2600



60.8046, 0.4016, 0.4177



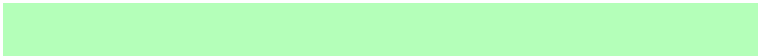
60.8046, 0.2174, 0.3072

Complementary

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



60.8046, 0.3199, 0.2600



84.7159, 0.3060, 0.4093

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.



60.8046, 0.2481, 0.3653



60.8046, 0.3199, 0.2600



60.8046, 0.3539, 0.4339

Square

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



60.8046, 0.3199, 0.2600



60.8046, 0.4263, 0.3806



60.8046, 0.2976, 0.4153



60.8046, 0.2103, 0.2632

Rectangle

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



60.8046, 0.3199, 0.2600



60.8046, 0.4076, 0.3214



60.8046, 0.2976, 0.4153



60.8046, 0.2251, 0.3258

Sweetspot

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



60.8073, 0.3199, 0.2600



86.1238, 0.3147, 0.3083



50.0273, 0.2632, 0.2434



17.9882, 0.3150, 0.3049



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.



60.8073, 0.3199, 0.2600



55.2864, 0.3215, 0.2470



58.7465, 0.3491, 0.2944



18.2784, 0.3148, 0.3071



14.3462, 0.3383, 0.1637



1.4029, 0.3361, 0.1625

Inverse Universe

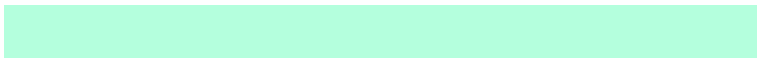
The Inverse Universe completely reimagines the original color for something new.



60.8073, 0.3199, 0.2600



55.2864, 0.3215, 0.2470



86.4475, 0.2869, 0.3666



18.2784, 0.3148, 0.3071



14.3462, 0.3383, 0.1637



1.4029, 0.3361, 0.1625

Previews

White Background



This preview shows how the Yxy color 60.8046, 0.3199, 0.2600 looks on a white background.

Color Contrast Check

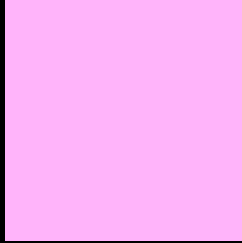
Large Text (above 18pt) WCAG AA × Fail

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 60.8046, 0.3199, 0.2600 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 60.8046, 0.3199, 0.2600

Background



This preview shows how black text looks on a background with the Yxy color 60.8046, 0.3199, 0.2600.



This preview shows how white text looks on a background with the Yxy color 60.8046, 0.3199, 0.2600.

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

60.8046, 0.3199, 0.2600

Protanopia

61.1383, 0.2712, 0.2712

Deuteranopia

60.9415, 0.2851, 0.2782



Tritanopia

60.8467, 0.3516, 0.3144

Trichromacy



Original Color

60.8046, 0.3199, 0.2600



Protanomaly

60.5691, 0.2875, 0.2668



Deuteranomaly

60.5433, 0.2972, 0.2715



Tritanomaly

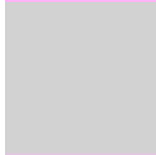
60.7943, 0.3398, 0.2940

Monochromacy



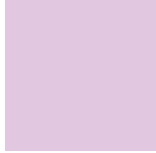
Original Color

60.8046, 0.3199, 0.2600



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

62.4518, 0.3148, 0.3007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.8046, 0.3199, 0.2600 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, 180, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 250)  
}
```

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, 180, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 250) }
```

Border

The CSS property to change the border of an element to Yxy 60.8046, 0.3199, 0.2600 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, 180, 250) }
```

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

```
.border{ border-color:rgb(255, 180, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 180, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 60.8046, 0.3199, 0.2600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 250) }
```

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

```
.background{ background-color: rgb(255,  
180, 250) }
```

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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