

Converting Colors

$Y_{xy}(100.0000, 0.4285, 0.2830)$

Have a look what the booklet for
Yxy(100.0000, 0.4285, 0.2830)
contains.

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Color

Yxy(60.4023, 0.3200, 0.2590)

Conversions

Conversions Part 1

Format	Color
Hex	FFB3FA
RGB	255, 179, 250
RGB Percent	100%, 70%, 98%
CMY	0.0000, 0.2981, 0.0195
CMYK	0.00, 0.30, 0.02, 0.00
HSL	304°, 100%, 85%
HSV	304°, 30%, 100%
XYZ	74.6283, 60.4023, 98.1829
YIQ	209.8180, 22.5050, 38.1930

Conversions

Conversions Part 2

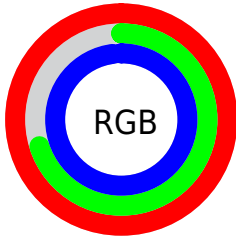
Format	Color
R_{YB}	255, 179, 250
Decimal	16757754
CIE _{Lab}	82.06, 38.62, -24.16
CIE _{LCh}	82, 45.551, 327.970
Yxy	60.4023, 0.3200, 0.2590
Android (android.graphics.Color)	4294947834 (0xFFFFB3FA)
YUV	209.8180, 19.8097, 39.6246
Hunter-Lab	77.7189, 35.3936, -20.4983

Details

The Yxy color $60.4023, 0.3200, 0.2590$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $84.5611, 0.3060, 0.4107$, and the grayscale version is $64.1741, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.4709, 0.3136, 0.3107$, and $30.3878, 0.3210, 0.2439$ is the 20% darker color. If you saturate the color by 10%, you get $51.0003, 0.3228, 0.2361$, and if you desaturate by 10%, it is $71.6850, 0.3173, 0.2827$.

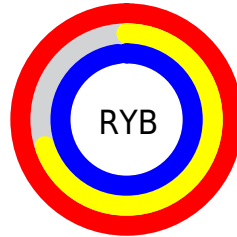
Distribution



Red (100%)

Green (70%)

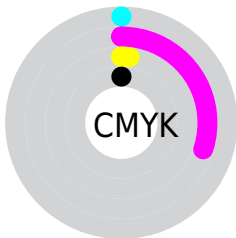
Blue (98%)



Red (100%)

Yellow (70%)

Blue (98%)

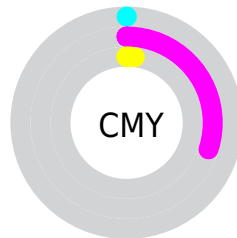


Cyan (0%)

Magenta (30%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (30%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.4023, 0.3200, 0.2590 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 60.4023, 0.3200, 0.2590 by changing the saturation by 10% instead.


 60.4023, 0.3200,
0.2590

 60.4023, 0.3200,
0.2590


426.0791, 0.3174,
0.2904

 43.7430, 0.3204,
0.2521


 105.4130, 0.3192,
0.2697

 30.4685, 0.3209,
0.2437


134.5332, 0.3189,
0.2739

 20.1945, 0.3213,
0.2333


168.5759, 0.3186,
0.2776

 12.5365, 0.3217,
0.2200

207.9253, 0.3183,
0.2808

 7.1102, 0.3218,
0.2027

252.9659, 0.3180,
0.2836

 3.5311, 0.3211,
0.1792

304.0822, 0.3178,

 1.4149, 0.3185,

0.2861

0.1459

361.6584, 0.3176,
0.2884

0.2277, 0.3220,
0.0611

0.0000, 0.1275,
0.0000

60.4023, 0.3200,
0.2590

60.4023, 0.3200,
0.2590

51.0003, 0.3228,
0.2361

71.6850, 0.3173,
0.2827

43.3898, 0.3257,
0.2151

84.9598, 0.3149,
0.3064

37.4512, 0.3285,
0.1968

100.0000, 0.3127,
0.3290

33.0570, 0.3313,
0.1822

■ 30.0609, 0.3339,
0.1718

■ 28.2890, 0.3363,
0.1659

■ 27.4626, 0.3384,
0.1638

■ 27.4502, 0.3384,
0.1638

Harmonies

Analogous

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



60.4023, 0.2644, 0.2399



60.4023, 0.3200, 0.2590



60.4023, 0.3786, 0.2931

Triad

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



60.4023, 0.3200, 0.2590



60.4023, 0.4029, 0.4191



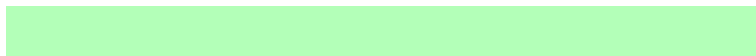
60.4023, 0.2160, 0.3067

Complementary

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



60.4023, 0.3200, 0.2590



84.5611, 0.3060, 0.4107

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.



60.4023, 0.2471, 0.3659



60.4023, 0.3200, 0.2590



60.4023, 0.3544, 0.4357

Square

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



60.4023, 0.3200, 0.2590



60.4023, 0.4281, 0.3812



60.4023, 0.2973, 0.4169



60.4023, 0.2088, 0.2621

Rectangle

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



60.4023, 0.3200, 0.2590



60.4023, 0.4092, 0.3212



60.4023, 0.2973, 0.4169



60.4023, 0.2238, 0.3257

Sweetspot

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



60.3973, 0.3200, 0.2590



86.1249, 0.3147, 0.3083



49.4949, 0.2624, 0.2421



17.9884, 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.



60.3973, 0.3200, 0.2590



54.3641, 0.3217, 0.2447



58.3078, 0.3498, 0.2939



18.2786, 0.3148, 0.3071



14.3521, 0.3381, 0.1636



1.4034, 0.3359, 0.1624

Inverse Universe

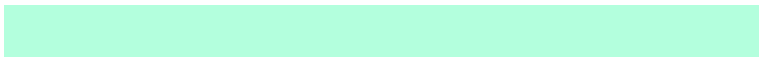
The Inverse Universe completely reimagines the original color for something new.



60.3973, 0.3200, 0.2590



54.3641, 0.3217, 0.2447



86.3113, 0.2866, 0.3672



18.2786, 0.3148, 0.3071



14.3521, 0.3381, 0.1636



1.4034, 0.3359, 0.1624

Previews

White Background



This preview shows how the Yxy color 60.4023, 0.3200, 0.2590 looks on a white background.

Color Contrast Check

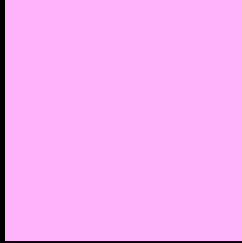
Large Text (above 18pt) WCAG AA × Fail

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 60.4023, 0.3200, 0.2590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

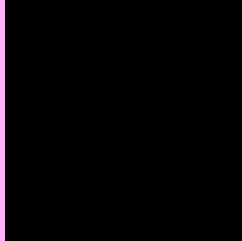
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.4023, 0.3200, 0.2590

Background



This preview shows how black text looks on a background with the Yxy color 60.4023, 0.3200, 0.2590.



This preview shows how white text looks on a background with the Yxy color 60.4023, 0.3200, 0.2590.

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

60.4023, 0.3200, 0.2590

Protanopia

61.0082, 0.2705, 0.2711

Deuteranopia

60.7997, 0.2844, 0.2781



Tritanopia

60.4180, 0.3518, 0.3133

Trichromacy



Original Color

60.4023, 0.3200, 0.2590



Protanomaly

59.9716, 0.2868, 0.2656



Deuteranomaly

60.1026, 0.2972, 0.2704



Tritanomaly

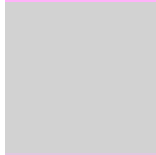
60.3745, 0.3399, 0.2929

Monochromacy



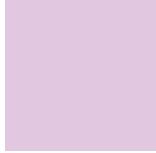
Original Color

60.4023, 0.3200, 0.2590



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 60.4023, 0.3200, 0.2590 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, 179, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 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, 179, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 250) }
```

Border

The CSS property to change the border of an element to Yxy 60.4023, 0.3200, 0.2590 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, 179, 250) }
```

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

```
.border{ border-color:rgb(255, 179, 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, 179, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 60.4023, 0.3200, 0.2590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 250) }
```

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

```
.background{ background-color: rgb(255,  
179, 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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