

Converting Colors

Yxy(51.1358, 0.3295, 0.2577)

Have a look what the booklet for
Yxy(51.1358, 0.3295, 0.2577)
contains.

Yxy(51.2030, 0.3291, 0.2578)	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(51.2030, 0.3291, 0.2578)

Conversions

Conversions Part 1

Format	Color
Hex	F6A2E7
RGB	246, 162, 231
RGB Percent	96%, 64%, 91%
CMY	0.0351, 0.3648, 0.0941
CMYK	0.00, 0.34, 0.06, 0.04
HSL	311°, 82%, 80%
HSV	311°, 34%, 96%
XYZ	65.3643, 51.2030, 82.0479
YIQ	194.9820, 27.9150, 39.2670

Conversions

Conversions Part 2

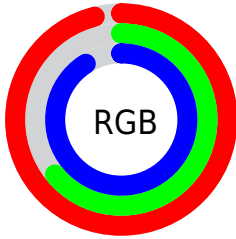
Format	Color
R _Y B	246, 162, 231
Decimal	16163559
CIE Lab	76.80, 41.33, -21.99
CIE LCh	77, 46.818, 331.979
Yxy	51.2030, 0.3291, 0.2578
Android (android.graphics.Color)	4294353639 (0xFFF6A2E7)
YUV	194.9820, 17.7569, 44.7428
Hunter-Lab	71.5563, 37.8303, -17.8938

Details

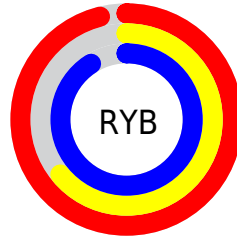
The Yxy color **51.2030, 0.3291, 0.2578** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **76.7963, 0.2999, 0.4127**, and the grayscale version is **54.4434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6228, 0.3144, 0.2930**, and **24.7238, 0.3321, 0.2419** is the 20% darker color. If you saturate the color by 10%, you get **43.1243, 0.3352, 0.2376**, and if you desaturate by 10%, it is **60.9883, 0.3235, 0.2789**.

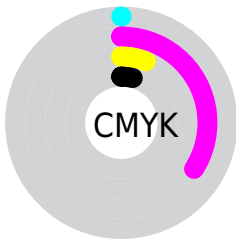
Distribution



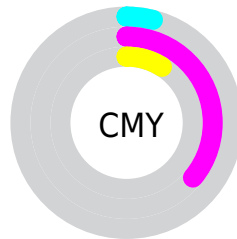
- Red (96%)
- Green (64%)
- Blue (91%)



- Red (96%)
- Yellow (64%)
- Blue (91%)



- Cyan (0%)
- Magenta (34%)
- Yellow (6%)
- Black (4%)





- Cyan (4%)
- Magenta (36%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.2030, 0.3291, 0.2578 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 51.2030, 0.3291, 0.2578 by changing the saturation by 10% instead.

 51.2030, 0.3291,
0.2578

 51.2030, 0.3291,
0.2578

391.3520, 0.3220,
0.2906

 36.3702, 0.3306,
0.2504


 91.9548, 0.3267,
0.2691

 24.7202, 0.3324,
0.2413


 118.6425, 0.3258,
0.2736

 15.8687, 0.3345,
0.2298


150.0507, 0.3250,
0.2774

 9.4313, 0.3371,
0.2150

186.5637, 0.3242,
0.2807

 5.0236, 0.3401,
0.1951

228.5660, 0.3236,
0.2836

 2.2611, 0.3437,
0.1675

276.4418, 0.3230,

 0.7530, 0.3473,

0.2862

0.1264

330.5757, 0.3225,
0.2885

0.0000, 0.3660,
0.0000

0.0000, 0.0000,
0.0000

51.2030, 0.3291,
0.2578

51.2030, 0.3291,
0.2578

43.1243, 0.3352,
0.2376

60.9883, 0.3235,
0.2789

36.6458, 0.3418,
0.2193

72.5646, 0.3186,
0.3000

31.6602, 0.3488,
0.2039

86.0189, 0.3143,
0.3207

28.0440, 0.3558,
0.1923

97.9376, 0.3108,
0.3352

■ 25.6537, 0.3628,
0.1852

■ 98.2149, 0.3083,
0.3309

■ 24.3142, 0.3694,
0.1827

■ 98.3419, 0.3072,
0.3290

■ 23.8681, 0.3731,
0.1829

Harmonies

Analogous

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



51.2030, 0.2675, 0.2350



51.2030, 0.3291, 0.2578



51.2030, 0.3918, 0.2958

Triad

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



51.2030, 0.3291, 0.2578



51.2030, 0.4039, 0.4302



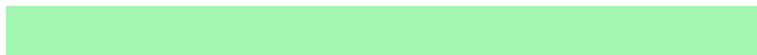
51.2030, 0.2060, 0.2966

Complementary

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



51.2030, 0.3291, 0.2578



76.7963, 0.2999, 0.4127

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.



51.2030, 0.2357, 0.3602



51.2030, 0.3291, 0.2578



51.2030, 0.3491, 0.4450

Square

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



51.2030, 0.3291, 0.2578



51.2030, 0.4359, 0.3906



51.2030, 0.2874, 0.4195



51.2030, 0.2020, 0.2518

Rectangle

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



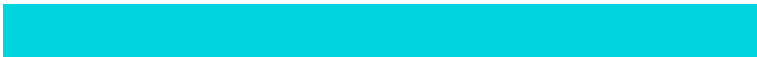
51.2030, 0.3291, 0.2578



51.2030, 0.4226, 0.3264



51.2030, 0.2874, 0.4195



51.2030, 0.2131, 0.3164

Sweetspot

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



51.2053, 0.3291, 0.2578



84.5054, 0.3168, 0.3087



41.7191, 0.2608, 0.2293



17.6577, 0.3174, 0.3057



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.



51.2053, 0.3291, 0.2578



49.2901, 0.3333, 0.2437



49.1529, 0.3664, 0.2990



16.7144, 0.3165, 0.3098



12.7530, 0.3721, 0.1823



1.1339, 0.3645, 0.1782

Inverse Universe

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



51.2053, 0.3291, 0.2578



49.2901, 0.3333, 0.2437



78.6847, 0.2782, 0.3617



16.7144, 0.3165, 0.3098



12.7530, 0.3721, 0.1823



1.1339, 0.3645, 0.1782

Previews

White Background



This preview shows how the Yxy color 51.2030, 0.3291, 0.2578 looks on a white background.

Color Contrast Check

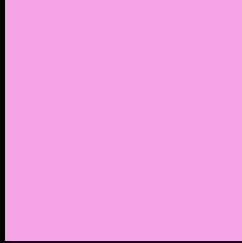
Large Text (above 18pt) WCAG AA × Fail

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 51.2030, 0.3291, 0.2578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

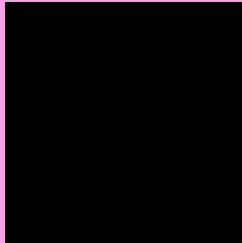
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.2030, 0.3291, 0.2578

Background



This preview shows how black text looks on a background with the Yxy color 51.2030, 0.3291, 0.2578.



This preview shows how white text looks on a background with the Yxy color 51.2030, 0.3291, 0.2578.

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

51.2030, 0.3291, 0.2578

Protanopia

51.6902, 0.2605, 0.2574

Deuteranopia

51.6110, 0.2860, 0.2803



Tritanopia

51.1118, 0.3643, 0.3148

Trichromacy



Original Color

51.2030, 0.3291, 0.2578



Protanomaly

50.9304, 0.2830, 0.2575



Deuteranomaly

50.7474, 0.3006, 0.2710



Tritanomaly

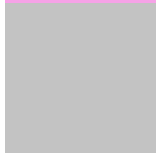
51.0996, 0.3512, 0.2934

Monochromacy



Original Color

51.2030, 0.3291, 0.2578



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

52.7172, 0.3191, 0.3001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2030, 0.3291, 0.2578 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(246, 162, 231)` looks like.

```
.text, #text, p{  
    color:rgb(246, 162, 231)  
}
```

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(246, 162, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 162, 231) }
```

Border

The CSS property to change the border of an element to Yxy 51.2030, 0.3291, 0.2578 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(246, 162, 231) }
```

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

```
.border{ border-color:rgb(246, 162, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 162, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 162, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 162, 231);  
box-shadow:4px 4px 4px 4px rgb(246, 162,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2030, 0.3291, 0.2578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 162, 231) }
```

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

```
.background{ background-color: rgb(246,  
162, 231) }
```

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