

Converting Colors

$Y_{xy}(25.2029, 0.4053, 0.2031)$

Have a look what the booklet for
Yxy(25.2029, 0.4053, 0.2031)
contains.

Yxy(25.2061, 0.4051, 0.2030)	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(25.2061, 0.4051, 0.2030)

Conversions

Conversions Part 1

Format	Color
Hex	FF11BA
RGB	255, 17, 186
RGB Percent	100%, 7%, 73%
CMY	0.0000, 0.9329, 0.2706
CMYK	0.00, 0.93, 0.27, 0.00
HSL	317°, 100%, 53%
HSV	317°, 93%, 100%
XYZ	50.3004, 25.2061, 48.6614
YIQ	107.4280, 87.5990, 103.0150

Conversions

Conversions Part 2

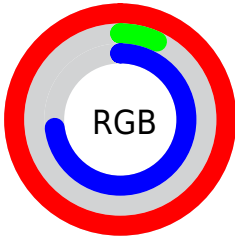
Format	Color
R_{YB}	255, 17, 186
Decimal	16716218
CIE _{Lab}	57.28, 88.59, -26.57
CIE _{LCh}	57, 92.490, 343.303
Yxy	25.2061, 0.4051, 0.2030
Android (android.graphics.Color)	4294906298 (0xFFFF11BA)
YUV	107.4280, 38.7360, 129.4206
Hunter-Lab	50.2057, 90.9770, -22.3224

Details

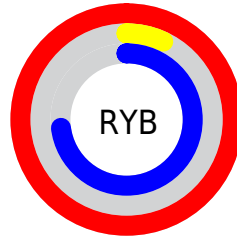
The Yxy color **25.2061, 0.4051, 0.2030** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **72.3096, 0.2881, 0.5529**, and the grayscale version is **14.7163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7740, 0.3313, 0.2008**, and **13.0309, 0.4191, 0.2082** is the 20% darker color. If you saturate the color by 10%, you get **24.5961, 0.4130, 0.2049**, and if you desaturate by 10%, it is **26.8251, 0.3930, 0.2037**.

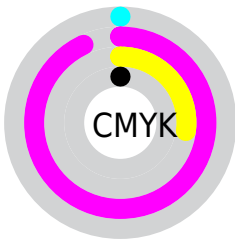
Distribution



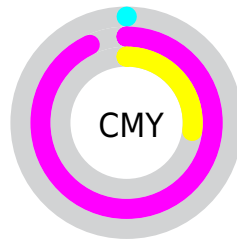
- Red (100%)
- Green (7%)
- Blue (73%)



- Red (100%)
- Yellow (7%)
- Blue (73%)



- Cyan (0%)
- Magenta (93%)
- Yellow (27%)
- Black (0%)





- Cyan (0%)
- Magenta (93%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.2061, 0.4051, 0.2030 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 25.2061, 0.4051, 0.2030 by changing the saturation by 10% instead.


 25.2061, 0.4051,
0.2030


 25.2061, 0.4051,
0.2030


278.8628, 0.3585,
0.2643


 16.2307, 0.4167,
0.1885

 51.9914, 0.3882,
0.2247


 9.6875, 0.4314,
0.1706


 70.5700, 0.3818,
0.2330

 5.1923, 0.4508,
0.1478


 93.1185, 0.3764,
0.2402

 2.3605, 0.4770,
0.1186

 120.0213, 0.3718,
0.2463

 0.8055, 0.5141,
0.0808

 151.6627, 0.3678,
0.2517

 0.0000, 0.5887,
0.0000

188.4272, 0.3643,

 0.0000, 0.7177,

0.2564

0.0000

230.6991, 0.3612,
0.2606

■ 0.0000, 0.0000,
0.0000

■ 25.2061, 0.4051,
0.2030

■ 25.2061, 0.4051,
0.2030

■ 24.5961, 0.4130,
0.2049

■ 26.8251, 0.3930,
0.2037

■ 29.6119, 0.3806,
0.2094

■ 33.7559, 0.3684,
0.2196

■ 39.4118, 0.3567,
0.2336

■ 46.7131, 0.3460,
0.2502

■ 55.7787, 0.3364,
0.2682

■ 66.7162, 0.3280,
0.2869

■ 79.6249, 0.3207,
0.3054

■ 94.5969, 0.3145,
0.3233

Harmonies

Analogous

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



25.2061, 0.2506, 0.1523



25.2061, 0.4051, 0.2030



25.2061, 0.5536, 0.2745

Triad

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



25.2061, 0.4051, 0.2030



25.2061, 0.4295, 0.5570



25.2061, 0.0899, 0.1940

Complementary

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



25.2061, 0.4051, 0.2030



72.3096, 0.2881, 0.5529

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.



25.2061, 0.1126, 0.3242



25.2061, 0.4051, 0.2030



25.2061, 0.3039, 0.6265

Square

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



25.2061, 0.4051, 0.2030



25.2061, 0.5408, 0.4466



25.2061, 0.1873, 0.5290



25.2061, 0.1030, 0.1410

Rectangle

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



25.2061, 0.4051, 0.2030



25.2061, 0.5979, 0.3262



25.2061, 0.1873, 0.5290



25.2061, 0.0929, 0.2268

Sweetspot

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



25.2075, 0.4051, 0.2030



61.3322, 0.3318, 0.2781



9.5318, 0.1732, 0.0752



12.1506, 0.3356, 0.2700



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.



25.2075, 0.4051, 0.2030



24.5975, 0.4130, 0.2049



22.0881, 0.5888, 0.3060



18.2053, 0.3183, 0.3123



12.8800, 0.4111, 0.2039



1.2731, 0.3984, 0.1968

Inverse Universe

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



25.2075, 0.4051, 0.2030



24.5975, 0.4130, 0.2049



75.9693, 0.2442, 0.3961



18.2053, 0.3183, 0.3123



12.8800, 0.4111, 0.2039



1.2731, 0.3984, 0.1968

Previews

White Background



This preview shows how the Yxy color 25.2061, 0.4051, 0.2030 looks on a white background.

Color Contrast Check

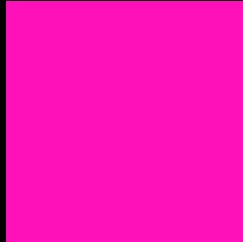
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2061, 0.4051, 0.2030 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 × Fail

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

Yxy 25.2061, 0.4051, 0.2030

Background



This preview shows how black text looks on a background with the Yxy color 25.2061, 0.4051, 0.2030.



This preview shows how white text looks on a background with the Yxy color 25.2061, 0.4051, 0.2030.

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

25.2061, 0.4051, 0.2030

Protanopia

25.8067, 0.1927, 0.1682

Deuteranopia

25.3705, 0.2737, 0.2673



Tritanopia

25.2218, 0.5460, 0.3265

Trichromacy



Original Color

25.2061, 0.4051, 0.2030



Protanomaly

18.8581, 0.2324, 0.1511



Deuteranomaly

20.2158, 0.3169, 0.2136



Tritanomaly

24.1546, 0.5033, 0.2769

Monochromacy



Original Color

25.2061, 0.4051, 0.2030



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

14.2522, 0.3554, 0.2346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2061, 0.4051, 0.2030 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, 17, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 17, 186)  
}
```

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, 17, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 17, 186) }
```

Border

The CSS property to change the border of an element to Yxy 25.2061, 0.4051, 0.2030 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, 17, 186) }
```

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

```
.border{ border-color:rgb(255, 17, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 17, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 17, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 17, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 17,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2061, 0.4051, 0.2030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 17, 186) }
```

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

```
.background{ background-color: rgb(255, 17,  
186) }
```

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