

Converting Colors

$Y_{xy}(26.7862, 0.4158, 0.2214)$

Have a look what the booklet for
Yxy(26.7862, 0.4158, 0.2214)
contains.

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Color

Yxy(26.8020, 0.4152, 0.2210)

Conversions

Conversions Part 1

Format	Color
Hex	FF33B1
RGB	255, 51, 177
RGB Percent	100%, 20%, 69%
CMY	0.0001, 0.7997, 0.3058
CMYK	0.00, 0.80, 0.31, 0.00
HSL	323°, 100%, 60%
HSV	323°, 80%, 100%
XYZ	50.3538, 26.8020, 44.1202
YIQ	126.3600, 81.1380, 82.4340

Conversions

Conversions Part 2

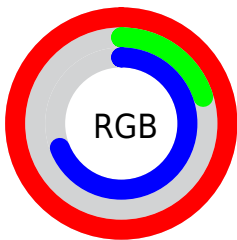
Format	Color
R_{YB}	255, 51, 177
Decimal	16724913
CIE Lab	58.79, 82.20, -19.05
CIE LCh	59, 84.382, 346.953
Yxy	26.8020, 0.4152, 0.2210
Android (android.graphics.Color)	4294914993 (0xFFFF33B1)
YUV	126.3600, 24.9655, 112.8173
Hunter-Lab	51.7706, 83.0162, -14.2889

Details

The Yxy color **26.8020, 0.4152, 0.2210** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **73.7956, 0.2781, 0.4995**, and the grayscale version is **20.8966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5761, 0.3390, 0.2195**, and **12.7927, 0.4373, 0.2183** is the 20% darker color. If you saturate the color by 10%, you get **24.7749, 0.4328, 0.2207**, and if you desaturate by 10%, it is **30.0797, 0.3976, 0.2265**.

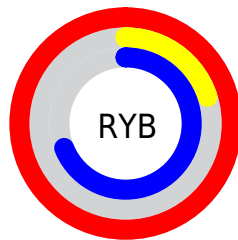
Distribution



Red (100%)

Green (20%)

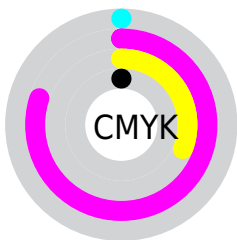
Blue (69%)



Red (100%)

Yellow (20%)

Blue (69%)

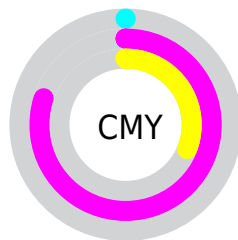


Cyan (0%)

Magenta (80%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.8020, 0.4152, 0.2210 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 26.8020, 0.4152, 0.2210 by changing the saturation by 10% instead.

 26.8020, 0.4152,
0.2210


 26.8020, 0.4152,
0.2210


286.6972, 0.3624,
0.2745


 17.4246, 0.4287,
0.2080


 54.5660, 0.3957,
0.2402

 10.5377, 0.4463,
0.1917


 73.7213, 0.3885,
0.2475

 5.7569, 0.4698,
0.1705


 96.9048, 0.3824,
0.2537

 2.6978, 0.5026,
0.1425

 124.5007, 0.3772,
0.2590

 0.9761, 0.5510,
0.1047

 156.8935, 0.3727,
0.2637

 0.0000, 0.6627,
0.0000

194.4676, 0.3688,

 0.0000, 1.0000,

0.2677

0.0000

237.6073, 0.3654,
0.2713

■ 0.0000, 0.0000,
0.0000

■ 26.8020, 0.4152,
0.2210

■ 26.8020, 0.4152,
0.2210

■ 24.7749, 0.4328,
0.2207

■ 30.0797, 0.3976,
0.2265

■ 23.7088, 0.4499,
0.2252

■ 34.7786, 0.3808,
0.2365

■ 23.7064, 0.4499,
0.2252

■ 41.0472, 0.3653,
0.2496

■ 49.0140, 0.3514,
0.2649

■ 58.7940, 0.3393,
0.2811

70.4922, 0.3289,
0.2976

84.2055, 0.3201,
0.3137

99.9954, 0.3127,
0.3290

Harmonies

Analogous

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



26.8020, 0.2722, 0.1694



26.8020, 0.4152, 0.2210



26.8020, 0.5409, 0.2911

Triad

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



26.8020, 0.4152, 0.2210



26.8020, 0.4147, 0.5537



26.8020, 0.1044, 0.1983

Complementary

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



26.8020, 0.4152, 0.2210



73.7956, 0.2781, 0.4995

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.



26.8020, 0.1236, 0.3087



26.8020, 0.4152, 0.2210



26.8020, 0.2980, 0.5927

Square

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



26.8020, 0.4152, 0.2210



26.8020, 0.5177, 0.4585



26.8020, 0.1901, 0.4838



26.8020, 0.1205, 0.1521

Rectangle

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



26.8020, 0.4152, 0.2210



26.8020, 0.5748, 0.3421



26.8020, 0.1901, 0.4838



26.8020, 0.1065, 0.2265

Sweetspot

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



26.8035, 0.4152, 0.2210



65.5581, 0.3329, 0.2910



14.0146, 0.2020, 0.1018



13.1522, 0.3366, 0.2851



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.



26.8035, 0.4152, 0.2210



24.0689, 0.4431, 0.2230



24.1824, 0.5645, 0.3116



18.1757, 0.3197, 0.3144



12.4198, 0.4472, 0.2237



1.2306, 0.4289, 0.2136

Inverse Universe

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



26.8035, 0.4152, 0.2210



24.0689, 0.4431, 0.2230



77.7995, 0.2382, 0.3628



18.1757, 0.3197, 0.3144



12.4198, 0.4472, 0.2237



1.2306, 0.4289, 0.2136

Previews

White Background



This preview shows how the Yxy color 26.8020, 0.4152, 0.2210 looks on a white background.

Color Contrast Check

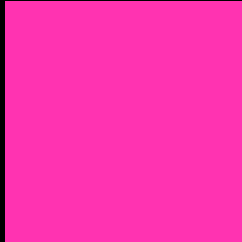
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.8020, 0.4152, 0.2210 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 26.8020, 0.4152, 0.2210

Background



This preview shows how black text looks on a background with the Yxy color 26.8020, 0.4152, 0.2210.



This preview shows how white text looks on a background with the Yxy color 26.8020, 0.4152, 0.2210.

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

26.8020, 0.4152, 0.2210

Protanopia

27.3499, 0.2100, 0.1917

Deuteranopia

26.8594, 0.2918, 0.2853



Tritanopia

26.6792, 0.5298, 0.3253

Trichromacy



Original Color

26.8020, 0.4152, 0.2210



Protanomaly

22.5412, 0.2580, 0.1854



Deuteranomaly

23.4007, 0.3337, 0.2427



Tritanomaly

26.3718, 0.4924, 0.2858

Monochromacy



Original Color

26.8020, 0.4152, 0.2210



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

19.8523, 0.3533, 0.2617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8020, 0.4152, 0.2210 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, 51, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 177)  
}
```

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, 51, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 177) }
```

Border

The CSS property to change the border of an element to Yxy 26.8020, 0.4152, 0.2210 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, 51, 177) }
```

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

```
.border{ border-color:rgb(255, 51, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8020, 0.4152, 0.2210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 177) }
```

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

```
.background{ background-color: rgb(255, 51,  
177) }
```

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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