

Converting Colors

$Y_{xy}(26.5973, 0.4229, 0.2257)$

Have a look what the booklet for
Yxy(26.5973, 0.4229, 0.2257)
contains.

Yxy(26.6062, 0.4226, 0.2255)	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(26.6062, 0.4226, 0.2255)

Conversions

Conversions Part 1

Format	Color
Hex	FF33AC
RGB	255, 51, 172
RGB Percent	100%, 20%, 67%
CMY	0.0001, 0.7997, 0.3256
CMYK	0.00, 0.80, 0.33, 0.00
HSL	324°, 100%, 60%
HSV	324°, 80%, 100%
XYZ	49.8616, 26.6062, 41.5198
YIQ	125.7900, 82.7430, 80.8790

Conversions

Conversions Part 2

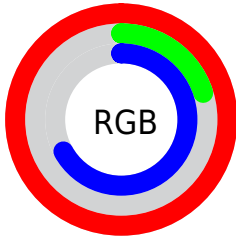
Format	Color
R _Y B	255, 51, 172
Decimal	16724908
CIE Lab	58.61, 81.67, -16.40
CIE LCh	59, 83.298, 348.647
Yxy	26.6062, 0.4226, 0.2255
Android (android.graphics.Color)	4294914988 (0xFFFF33AC)
YUV	125.7900, 22.7815, 113.3172
Hunter-Lab	51.5812, 82.2820, -11.6181

Details

The Yxy color **26.6062, 0.4226, 0.2255** 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 **73.9357, 0.2761, 0.4928**, and the grayscale version is **20.7018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2390, 0.3449, 0.2245**, and **12.6935, 0.4456, 0.2229** is the 20% darker color. If you saturate the color by 10%, you get **24.5701, 0.4417, 0.2257**, and if you desaturate by 10%, it is **29.8963, 0.4036, 0.2305**.

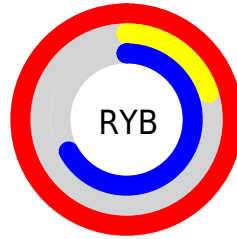
Distribution



Red (100%)

Green (20%)

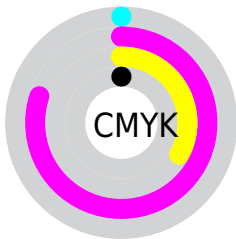
Blue (67%)



Red (100%)

Yellow (20%)

Blue (67%)

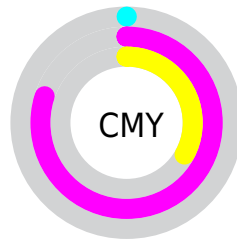


Cyan (0%)

Magenta (80%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (80%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.6062, 0.4226, 0.2255 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 26.6062, 0.4226, 0.2255 by changing the saturation by 10% instead.


 26.6062, 0.4226,
0.2255


 26.6062, 0.4226,
0.2255


285.7453, 0.3654,
0.2773


 17.2777, 0.4374,
0.2128


 54.2513, 0.4014,
0.2442

 10.4327, 0.4568,
0.1966


 73.3367, 0.3935,
0.2513


 5.6868, 0.4828,
0.1757


 96.4431, 0.3869,
0.2573

 2.6556, 0.5197,
0.1475

 123.9550, 0.3813,
0.2624

 0.9547, 0.5746,
0.1090

 156.2568, 0.3765,
0.2669

 0.0000, 0.7016,
0.0000

193.7329, 0.3723,

 0.0000, 1.0000,

0.2708


0.0000


236.7676, 0.3687,
0.2742

 0.0000, 0.0000,
0.0000


 26.6062, 0.4226,
0.2255


 26.6062, 0.4226,
0.2255


 24.5701, 0.4417,
0.2257

 29.8963, 0.4036,
0.2305


 23.4987, 0.4602,
0.2309

 34.6114, 0.3854,
0.2400

 23.4958, 0.4603,
0.2309

 40.8998, 0.3687,
0.2526

 48.8903, 0.3538,
0.2673

 58.6979, 0.3408,
0.2830

70.4278, 0.3298,
0.2988

84.1770, 0.3205,
0.3143

99.9959, 0.3127,
0.3290

Harmonies

Analogous

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



26.6062, 0.2798, 0.1727



26.6062, 0.4226, 0.2255



26.6062, 0.5434, 0.2960

Triad

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



26.6062, 0.4226, 0.2255



26.6062, 0.4083, 0.5567



26.6062, 0.1058, 0.1955

Complementary

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



26.6062, 0.4226, 0.2255



73.9357, 0.2761, 0.4928

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.



26.6062, 0.1229, 0.3009



26.6062, 0.4226, 0.2255



26.6062, 0.2921, 0.5880

Square

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



26.6062, 0.4226, 0.2255



26.6062, 0.5117, 0.4637



26.6062, 0.1863, 0.4722



26.6062, 0.1236, 0.1522

Rectangle

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



26.6062, 0.4226, 0.2255



26.6062, 0.5732, 0.3470



26.6062, 0.1863, 0.4722



26.6062, 0.1072, 0.2223

Sweetspot

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



26.6077, 0.4226, 0.2255



65.4725, 0.3340, 0.2925



14.5503, 0.2071, 0.1045



13.1316, 0.3380, 0.2868



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.



26.6077, 0.4226, 0.2255



23.8593, 0.4529, 0.2285



24.0914, 0.5729, 0.3168



18.1679, 0.3201, 0.3150



12.3098, 0.4574, 0.2293



1.2203, 0.4375, 0.2184

Inverse Universe

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



26.6077, 0.4226, 0.2255



23.8593, 0.4529, 0.2285



78.1863, 0.2357, 0.3540



18.1679, 0.3201, 0.3150



12.3098, 0.4574, 0.2293



1.2203, 0.4375, 0.2184

Previews

White Background



This preview shows how the Yxy color 26.6062, 0.4226, 0.2255 looks on a white background.

Color Contrast Check

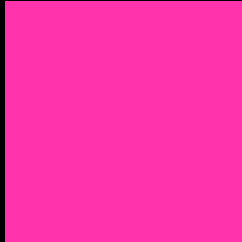
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.6062, 0.4226, 0.2255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

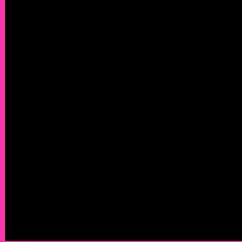
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.6062, 0.4226, 0.2255

Background



This preview shows how black text looks on a background with the Yxy color 26.6062, 0.4226, 0.2255.



This preview shows how white text looks on a background with the Yxy color 26.6062, 0.4226, 0.2255.

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

26.6062, 0.4226, 0.2255

Protanopia

26.9437, 0.2144, 0.1966

Deuteranopia

26.7699, 0.2975, 0.2928



Tritanopia

26.5329, 0.5345, 0.3254

Trichromacy



Original Color

26.6062, 0.4226, 0.2255



Protanomaly

22.2803, 0.2637, 0.1895



Deuteranomaly

23.3390, 0.3410, 0.2491



Tritanomaly

26.0498, 0.4978, 0.2874

Monochromacy



Original Color

26.6062, 0.4226, 0.2255



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

19.7911, 0.3561, 0.2644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.6062, 0.4226, 0.2255 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 172) }
```

Border

The CSS property to change the border of an element to Yxy 26.6062, 0.4226, 0.2255 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, 172) }
```

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

```
.border{ border-color:rgb(255, 51, 172) }
```

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, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 26.6062, 0.4226, 0.2255 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, 172) }
```

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

```
.background{ background-color: rgb(255, 51,  
172) }
```

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