

Converting Colors

Yxy(24.5366, 0.4153, 0.2061)

Have a look what the booklet for
Yxy(24.5366, 0.4153, 0.2061)
contains.

Yxy(24.5553, 0.4146, 0.2057)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

Yxy(24.5553, 0.4146, 0.2057)

Conversions

Conversions Part 1

Format	Color
Hex	FF00B4
RGB	255, 0, 180
RGB Percent	100%, 0%, 71%
CMY	0.0000, 1.0000, 0.2940
CMYK	0.00, 1.00, 0.29, 0.00
HSL	318°, 100%, 50%
HSV	318°, 100%, 100%
XYZ	49.4926, 24.5553, 45.3264
YIQ	96.7650, 94.2000, 110.0400

Conversions

Conversions Part 2

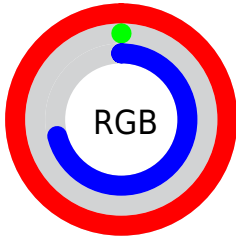
Format	Color
RYB	255, 0, 180
Decimal	16711860
CIELab	56.64, 89.16, -24.09
CIELCh	57, 92.354, 344.877
Yxy	24.5553, 0.4146, 0.2057
Android (android.graphics.Color)	4294901940 (0xFFFF00B4)
YUV	96.7650, 41.0349, 138.7721
Hunter-Lab	49.5533, 91.5630, -19.5453

Details

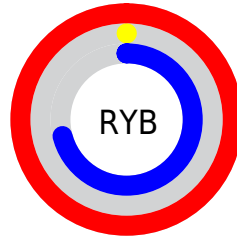
The Yxy color **24.5553, 0.4146, 0.2057** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **72.0276, 0.2901, 0.5642**, and the grayscale version is **11.7746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8189, 0.3374, 0.2032**, and **12.8698, 0.4311, 0.2149** is the 20% darker color. If you saturate the color by 10%, you get **24.5565, 0.4145, 0.2057**, and if you desaturate by 10%, it is **25.5873, 0.4024, 0.2034**.

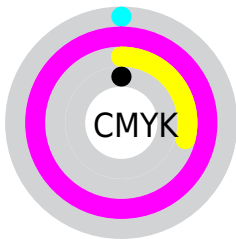
Distribution



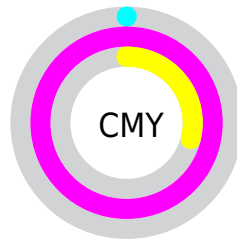
- Red (100%)
- Green (0%)
- Blue (71%)



- Red (100%)
- Yellow (0%)
- Blue (71%)



- Cyan (0%)
- Magenta (100%)
- Yellow (29%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5553, 0.4146, 0.2057 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 24.5553, 0.4146, 0.2057 by changing the saturation by 10% instead.


 24.5553, 0.4146,
0.2057


 24.5553, 0.4146,
0.2057


275.6160, 0.3625,
0.2663


 15.7461, 0.4278,
0.1912


 50.9349, 0.3955,
0.2273

 9.3446, 0.4448,
0.1731


 69.2740, 0.3883,
0.2355


 4.9666, 0.4673,
0.1501


 91.5585, 0.3823,
0.2426

 2.2277, 0.4984,
0.1202

 118.1728, 0.3772,
0.2486

 0.7350, 0.5435,
0.0807

 149.5013, 0.3727,
0.2539

 0.0000, 0.6315,
0.0000

185.9284, 0.3689,

 0.0000, 0.9124,

0.2585

0.0000

227.8385, 0.3655,
0.2626

■ 0.0000, 0.0000,
0.0000

■ 24.5553, 0.4146,
0.2057

■ 24.5553, 0.4146,
0.2057

■ 24.5565, 0.4145,
0.2057

■ 25.5873, 0.4024,
0.2034

■ 27.5688, 0.3900,
0.2057

■ 30.7870, 0.3774,
0.2129

■ 35.4168, 0.3651,
0.2244

■ 41.6048, 0.3536,
0.2393

■ 49.4793, 0.3431,
0.2564

■ 59.1553, 0.3338,
0.2746

■ 70.7373, 0.3256,
0.2932

■ 84.3222, 0.3186,
0.3115

Harmonies

Analogous

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



24.5553, 0.2571, 0.1534



24.5553, 0.4146, 0.2057



24.5553, 0.5607, 0.2780

Triad

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



24.5553, 0.4146, 0.2057



24.5553, 0.4229, 0.5636



24.5553, 0.0888, 0.1888

Complementary

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



24.5553, 0.4146, 0.2057



72.0276, 0.2901, 0.5642

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.



24.5553, 0.1092, 0.3146



24.5553, 0.4146, 0.2057



24.5553, 0.2967, 0.6287

Square

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



24.5553, 0.4146, 0.2057



24.5553, 0.5369, 0.4522



24.5553, 0.1810, 0.5205



24.5553, 0.1037, 0.1387

Rectangle

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



24.5553, 0.4146, 0.2057



24.5553, 0.6007, 0.3299



24.5553, 0.1810, 0.5205



24.5553, 0.0911, 0.2201

Sweetspot

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



24.5565, 0.4145, 0.2057



59.1553, 0.3338, 0.2746



8.6073, 0.1666, 0.0691



11.7400, 0.3376, 0.2668



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.



24.5565, 0.4145, 0.2057



21.5382, 0.6072, 0.3118



18.2040, 0.3183, 0.3124



12.8587, 0.4126, 0.2047



1.2711, 0.3996, 0.1975

Inverse Universe

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



24.5565, 0.4145, 0.2057



75.6784, 0.2449, 0.4015



18.2040, 0.3183, 0.3124



12.8587, 0.4126, 0.2047



1.2711, 0.3996, 0.1975

Previews

White Background



This preview shows how the Yxy color 24.5553, 0.4146, 0.2057 looks on a white background.

Color Contrast Check

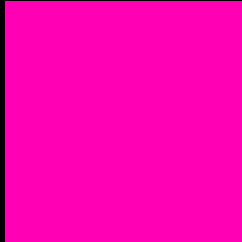
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5553, 0.4146, 0.2057 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 24.5553, 0.4146, 0.2057

Background



This preview shows how black text looks on a background with the Yxy color 24.5553, 0.4146, 0.2057.



This preview shows how white text looks on a background with the Yxy color 24.5553, 0.4146, 0.2057.

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

24.5553, 0.4146, 0.2057

Protanopia

25.4509, 0.1916, 0.1667

Deuteranopia

25.0282, 0.2807, 0.2746



Tritanopia

24.9573, 0.5536, 0.3274

Trichromacy



Original Color

24.5553, 0.4146, 0.2057



Protanomaly

17.6739, 0.2318, 0.1460



Deuteranomaly

19.0593, 0.3272, 0.2129



Tritanomaly

23.5783, 0.5132, 0.2769

Monochromacy



Original Color

24.5553, 0.4146, 0.2057



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

11.8476, 0.3624, 0.2274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5553, 0.4146, 0.2057 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, 0, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 180)  
}
```

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, 0, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 180) }
```

Border

The CSS property to change the border of an element to Yxy 24.5553, 0.4146, 0.2057 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, 0, 180) }
```

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

```
.border{ border-color:rgb(255, 0, 180) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
180) }
```

Background

The CSS property to change the background color of an element to Yxy 24.5553, 0.4146, 0.2057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 180) }
```

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

```
.background{ background-color: rgb(255, 0,  
180) }
```

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