

Converting Colors

$Y_{xy}(27.4767, 0.4304, 0.2147)$

Have a look what the booklet for
Yxy(27.4767, 0.4304, 0.2147)
contains.

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Color

Yxy(24.5987, 0.4145, 0.2060)

Conversions

Conversions Part 1

Format	Color
Hex	FF02B4
RGB	255, 2, 180
RGB Percent	100%, 1%, 71%
CMY	0.0001, 0.9914, 0.2941
CMYK	0.00, 0.99, 0.29, 0.00
HSL	318°, 100%, 50%
HSV	318°, 99%, 100%
XYZ	49.4959, 24.5987, 45.3165
YIQ	97.9390, 93.6500, 108.9940

Conversions

Conversions Part 2

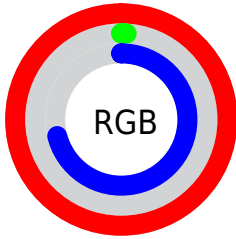
Format	Color
RYB	255, 2, 180
Decimal	16712372
CIELab	56.68, 88.98, -24.01
CIElCh	57, 92.163, 344.900
Yxy	24.5987, 0.4145, 0.2060
Android (android.graphics.Color)	4294902452 (0xFFFF02B4)
YUV	97.9390, 40.4561, 137.7425
Hunter-Lab	49.5971, 91.3411, -19.4549

Details

The Yxy color **24.5987, 0.4145, 0.2060** 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 **72.0642, 0.2896, 0.5621**, and the grayscale version is **12.1053, 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 **24.5263, 0.4156, 0.2063**, and if you desaturate by 10%, it is **25.6849, 0.4023, 0.2039**.

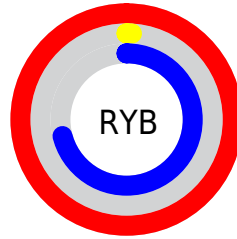
Distribution



Red (100%)

Green (1%)

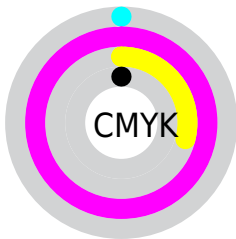
Blue (71%)



Red (100%)

Yellow (1%)

Blue (71%)

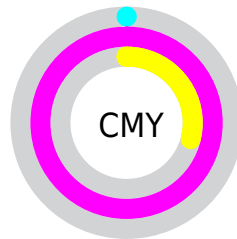


Cyan (0%)

Magenta (99%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (99%)


Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5987, 0.4145, 0.2060 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 24.5987, 0.4145, 0.2060 by changing the saturation by 10% instead.


 24.5987, 0.4145,
0.2060


 24.5987, 0.4145,
0.2060


275.8335, 0.3624,
0.2664


 15.7783, 0.4277,
0.1916


 51.0054, 0.3954,
0.2276


 9.3674, 0.4447,
0.1735


 69.3606, 0.3883,
0.2358


 4.9816, 0.4672,
0.1505


 91.6628, 0.3822,
0.2428

 2.2365, 0.4982,
0.1207

 118.2965, 0.3771,
0.2488

 0.7398, 0.5434,
0.0812

 149.6460, 0.3727,
0.2541

 0.0000, 0.6317,
0.0000

186.0957, 0.3688,

 0.0000, 0.9132,

0.2587

0.0000

228.0301, 0.3654,
0.2628

■ 0.0000, 0.0000,
0.0000

■ 24.5987, 0.4145,
0.2060

■ 24.5987, 0.4145,
0.2060

■ 24.5263, 0.4156,
0.2063

■ 25.6849, 0.4023,
0.2039

■ 27.7660, 0.3896,
0.2065

■ 31.1003, 0.3769,
0.2141

■ 35.8598, 0.3646,
0.2259

■ 42.1893, 0.3530,
0.2410

■ 50.2157, 0.3425,
0.2581

■ 60.0530, 0.3332,
0.2764

■ 71.8051, 0.3251,
0.2949

■ 85.5680, 0.3181,
0.3131

Harmonies

Analogous

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



24.5987, 0.2573, 0.1537



24.5987, 0.4145, 0.2060



24.5987, 0.5602, 0.2782

Triad

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



24.5987, 0.4145, 0.2060



24.5987, 0.4228, 0.5633



24.5987, 0.0892, 0.1891

Complementary

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



24.5987, 0.4145, 0.2060



72.0642, 0.2896, 0.5621

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.



24.5987, 0.1096, 0.3145



24.5987, 0.4145, 0.2060



24.5987, 0.2969, 0.6279

Square

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



24.5987, 0.4145, 0.2060



24.5987, 0.5365, 0.4523



24.5987, 0.1813, 0.5197



24.5987, 0.1040, 0.1390

Rectangle

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



24.5987, 0.4145, 0.2060



24.5987, 0.6001, 0.3301



24.5987, 0.1813, 0.5197



24.5987, 0.0915, 0.2204

Sweetspot

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



24.6001, 0.4145, 0.2060



59.1438, 0.3339, 0.2748



8.7149, 0.1674, 0.0698



11.7372, 0.3378, 0.2671



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.



24.6001, 0.4145, 0.2060



24.5291, 0.4156, 0.2063



21.6000, 0.6050, 0.3112



18.2031, 0.3184, 0.3124



12.8445, 0.4136, 0.2052



1.2699, 0.4004, 0.1980

Inverse Universe

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



24.6001, 0.4145, 0.2060



24.5291, 0.4156, 0.2063



75.7060, 0.2448, 0.4008



18.2031, 0.3184, 0.3124



12.8445, 0.4136, 0.2052



1.2699, 0.4004, 0.1980

Previews

White Background



This preview shows how the Yxy color 24.5987, 0.4145, 0.2060 looks on a white background.

Color Contrast Check

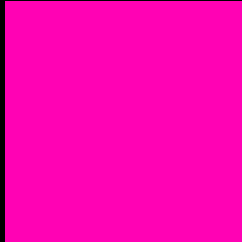
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5987, 0.4145, 0.2060 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 24.5987, 0.4145, 0.2060

Background



This preview shows how black text looks on a background with the Yxy color 24.5987, 0.4145, 0.2060.



This preview shows how white text looks on a background with the Yxy color 24.5987, 0.4145, 0.2060.

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

24.5987, 0.4145, 0.2060

Protanopia

25.4509, 0.1916, 0.1667

Deuteranopia

25.0282, 0.2807, 0.2746



Tritanopia

24.9573, 0.5536, 0.3274

Trichromacy



Original Color

24.5987, 0.4145, 0.2060



Protanomaly

17.6739, 0.2318, 0.1460



Deuteranomaly

19.2178, 0.3271, 0.2141



Tritanomaly

23.6555, 0.5129, 0.2774

Monochromacy



Original Color

24.5987, 0.4145, 0.2060



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

12.0821, 0.3620, 0.2279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5987, 0.4145, 0.2060 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, 2, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 2, 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, 2, 180) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 24.5987, 0.4145, 0.2060 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, 2, 180) }
```

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

```
.border{ border-color:rgb(255, 2, 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, 2, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 2, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 2, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 2,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5987, 0.4145, 0.2060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 2, 180) }
```

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

```
.background{ background-color: rgb(255, 2,  
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](#).

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