

Converting Colors

$Y_{xy}(25.1052, 0.4530, 0.2380)$

Have a look what the booklet for
Yxy(25.1052, 0.4530, 0.2380)
contains.

Yxy(25.0775, 0.4535, 0.2382)	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(25.0775, 0.4535, 0.2382)

Conversions

Conversions Part 1

Format	Color
Hex	FF2899
RGB	255, 40, 153
RGB Percent	100%, 16%, 60%
CMY	0.0001, 0.8429, 0.4000
CMYK	0.00, 0.84, 0.40, 0.00
HSL	328°, 100%, 58%
HSV	328°, 84%, 100%
XYZ	47.7441, 25.0775, 32.4576
YIQ	117.1670, 91.8670, 80.7230

Conversions

Conversions Part 2

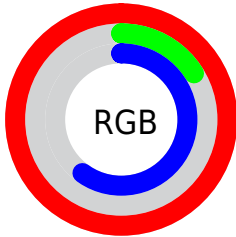
Format	Color
R_{YB}	255, 40, 153
Decimal	16722073
CIE _{Lab}	57.15, 82.16, -7.48
CIE _{LCh}	57, 82.498, 354.798
Yxy	25.0775, 0.4535, 0.2382
Android (android.graphics.Color)	4294912153 (0xFFFF2899)
YUV	117.1670, 17.6657, 120.8795
Hunter-Lab	50.0774, 82.5474, -3.3745

Details

The Yxy color **25.0775, 0.4535, 0.2382** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **73.9180, 0.2711, 0.4827**, and the grayscale version is **17.7770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5752, 0.3669, 0.2360**, and **12.1658, 0.4832, 0.2436** is the 20% darker color. If you saturate the color by 10%, you get **23.5067, 0.4765, 0.2424**, and if you desaturate by 10%, it is **27.8230, 0.4301, 0.2395**.

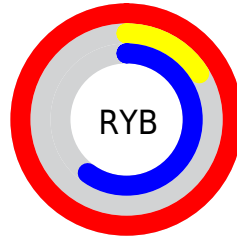
Distribution



Red (100%)

Green (16%)

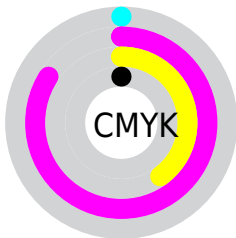
Blue (60%)



Red (100%)

Yellow (16%)

Blue (60%)

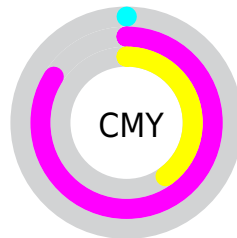


Cyan (0%)

Magenta (84%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (84%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.0775, 0.4535, 0.2382 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 25.0775, 0.4535, 0.2382 by changing the saturation by 10% instead.


 25.0775, 0.4535,
0.2382


 25.0775, 0.4535,
0.2382


278.2237, 0.3781,
0.2855


 16.1348, 0.4738,
0.2259


 51.7829, 0.4250,
0.2558

 9.6196, 0.5006,
0.2100


 70.3144, 0.4146,
0.2623

 5.1475, 0.5374,
0.1887


 92.8110, 0.4059,
0.2677

 2.3341, 0.5905,
0.1590

 119.6571, 0.3986,
0.2724

 0.7916, 0.6715,
0.1161

 151.2369, 0.3924,
0.2763

 0.0000, 0.9189,
0.0000

187.9351, 0.3870,

 0.0000, 1.0000,

0.2798

0.0000


230.1359, 0.3822,
0.2829

 0.0000, 0.0000,
0.0000


 25.0775, 0.4535,
0.2382

 25.0775, 0.4535,
0.2382

 23.5067, 0.4765,
0.2424


 27.8230, 0.4301,
0.2395

 22.9779, 0.4891,
0.2468


 31.9322, 0.4074,
0.2457

 37.5648, 0.3864,
0.2557

 44.8568, 0.3677,
0.2682

 53.9291, 0.3514,
0.2819

 64.8912, 0.3376,
0.2961

 77.8439, 0.3260,
0.3101

 92.8806, 0.3163,
0.3235

99.9973, 0.3127,
0.3290

Harmonies

Analogous

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



25.0775, 0.3066, 0.1804



25.0775, 0.4535, 0.2382



25.0775, 0.5599, 0.3108

Triad

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



25.0775, 0.4535, 0.2382



25.0775, 0.3846, 0.5735



25.0775, 0.1055, 0.1813

Complementary

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



25.0775, 0.4535, 0.2382



73.9180, 0.2711, 0.4827

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.



25.0775, 0.1147, 0.2721



25.0775, 0.4535, 0.2382



25.0775, 0.2678, 0.5797

Square

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



25.0775, 0.4535, 0.2382



25.0775, 0.4936, 0.4841



25.0775, 0.1678, 0.4366



25.0775, 0.1303, 0.1473

Rectangle

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



25.0775, 0.4535, 0.2382



25.0775, 0.5751, 0.3630



25.0775, 0.1678, 0.4366



25.0775, 0.1046, 0.2037

Sweetspot

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



25.0789, 0.4535, 0.2382



64.0532, 0.3385, 0.2951



14.3480, 0.2123, 0.1026



12.8486, 0.3432, 0.2901



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.



25.0789, 0.4535, 0.2382



22.9808, 0.4891, 0.2468



22.9864, 0.6038, 0.3265



18.1466, 0.3211, 0.3166



12.0384, 0.4856, 0.2449



1.1942, 0.4617, 0.2317

Inverse Universe

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



25.0789, 0.4535, 0.2382



22.9808, 0.4891, 0.2468



78.7294, 0.2295, 0.3374



18.1466, 0.3211, 0.3166



12.0384, 0.4856, 0.2449



1.1942, 0.4617, 0.2317

Previews

White Background



This preview shows how the Yxy color 25.0775, 0.4535, 0.2382 looks on a white background.

Color Contrast Check

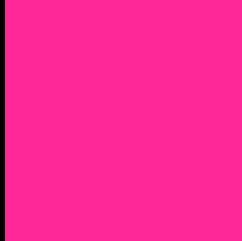
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0775, 0.4535, 0.2382 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 25.0775, 0.4535, 0.2382

Background



This preview shows how black text looks on a background with the Yxy color 25.0775, 0.4535, 0.2382.



This preview shows how white text looks on a background with the Yxy color 25.0775, 0.4535, 0.2382.

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

25.0775, 0.4535, 0.2382

Protanopia

25.3964, 0.2284, 0.2150

Deuteranopia

25.1176, 0.3213, 0.3145



Tritanopia

25.0481, 0.5586, 0.3275

Trichromacy



Original Color

25.0775, 0.4535, 0.2382



Protanomaly

20.6625, 0.2864, 0.2036



Deuteranomaly

21.6904, 0.3712, 0.2650



Tritanomaly

24.6611, 0.5275, 0.2956

Monochromacy



Original Color

25.0775, 0.4535, 0.2382



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.9720, 0.3697, 0.2666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0775, 0.4535, 0.2382 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, 40, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 40, 153)  
}
```

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, 40, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 40, 153) }
```

Border

The CSS property to change the border of an element to Yxy 25.0775, 0.4535, 0.2382 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, 40, 153) }
```

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

```
.border{ border-color:rgb(255, 40, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 40, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 40, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 40, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 40,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0775, 0.4535, 0.2382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 40, 153) }
```

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

```
.background{ background-color: rgb(255, 40,  
153) }
```

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