

Converting Colors

$Y_{xy}(25.1461, 0.4582, 0.2411)$

Have a look what the booklet for
Yxy(25.1461, 0.4582, 0.2411)
contains.

Yxy(24.9796, 0.4583, 0.2410)	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(24.9796, 0.4583, 0.2410)

Conversions

Conversions Part 1

Format	Color
Hex	FF2896
RGB	255, 40, 150
RGB Percent	100%, 16%, 59%
CMY	0.0000, 0.8430, 0.4118
CMYK	0.00, 0.84, 0.41, 0.00
HSL	329°, 100%, 58%
HSV	329°, 84%, 100%
XYZ	47.5027, 24.9796, 31.1675
YIQ	116.8250, 92.8300, 79.7900

Conversions

Conversions Part 2

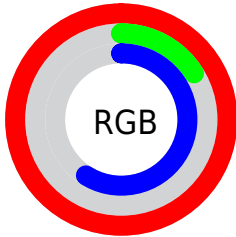
Format	Color
R_{YB}	255, 40, 150
Decimal	16722070
CIE _{Lab}	57.06, 81.90, -5.85
CIE _{LCh}	57, 82.107, 355.914
Yxy	24.9796, 0.4583, 0.2410
Android (android.graphics.Color)	4294912150 (0xFFFF2896)
YUV	116.8250, 16.3553, 121.1795
Hunter-Lab	49.9796, 82.1896, -1.9878

Details

The Yxy color **24.9796, 0.4583, 0.2410** 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 **74.0162, 0.2700, 0.4786**, and the grayscale version is **17.6642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4299, 0.3703, 0.2388**, and **12.1073, 0.4899, 0.2472** is the 20% darker color. If you saturate the color by 10%, you get **23.4097, 0.4821, 0.2456**, and if you desaturate by 10%, it is **27.7260, 0.4340, 0.2420**.

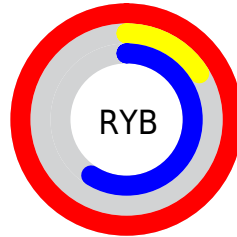
Distribution



Red (100%)

Green (16%)

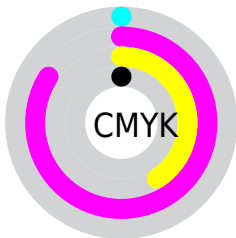
Blue (59%)



Red (100%)

Yellow (16%)

Blue (59%)

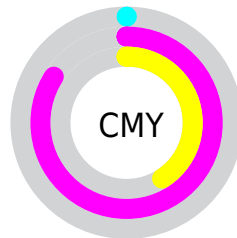


Cyan (0%)

Magenta (84%)

Yellow (41%)

Black (0%)



Cyan (0%)


Magenta (84%)

Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9796, 0.4583, 0.2410 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 24.9796, 0.4583, 0.2410 by changing the saturation by 10% instead.


 24.9796, 0.4583,
0.2410


 24.9796, 0.4583,
0.2410


277.7363, 0.3800,
0.2873


 16.0619, 0.4794,
0.2289


 51.6241, 0.4286,
0.2583

 9.5679, 0.5074,
0.2131


 70.1197, 0.4178,
0.2646


 5.1134, 0.5459,
0.1918


 92.5767, 0.4089,
0.2699

 2.3140, 0.6015,
0.1620

 119.3794, 0.4013,
0.2745

 0.7811, 0.6862,
0.1183

 150.9124, 0.3948,
0.2783

 0.0000, 0.9737,
0.0000

187.5599, 0.3892,

 0.0000, 1.0000,

0.2817

0.0000

229.7064, 0.3843,
0.2847

■ 0.0000, 0.0000,
0.0000

■ 24.9796, 0.4583,
0.2410

■ 24.9796, 0.4583,
0.2410

■ 23.4097, 0.4821,
0.2456

■ 27.7260, 0.4340,
0.2420


■ 22.8831, 0.4952,
0.2501


■ 31.8384, 0.4104,
0.2479


■ 37.4763, 0.3887,
0.2576

■ 44.7762, 0.3693,
0.2697

■ 53.8589, 0.3525,
0.2831

 64.8342, 0.3383,
0.2969

 77.8029, 0.3263,
0.3105

 92.8584, 0.3164,
0.3236

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



24.9796, 0.3118, 0.1825



24.9796, 0.4583, 0.2410



24.9796, 0.5612, 0.3138

Triad

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



24.9796, 0.4583, 0.2410



24.9796, 0.3804, 0.5753



24.9796, 0.1063, 0.1796

Complementary

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



24.9796, 0.4583, 0.2410



74.0162, 0.2700, 0.4786

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.



24.9796, 0.1141, 0.2677



24.9796, 0.4583, 0.2410



24.9796, 0.2638, 0.5759

Square

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



24.9796, 0.4583, 0.2410



24.9796, 0.4897, 0.4876



24.9796, 0.1653, 0.4294



24.9796, 0.1323, 0.1472

Rectangle

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



24.9796, 0.4583, 0.2410



24.9796, 0.5739, 0.3662



24.9796, 0.1653, 0.4294



24.9796, 0.1050, 0.2013

Sweetspot

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



24.9810, 0.4583, 0.2410



64.0049, 0.3392, 0.2959



14.6627, 0.2152, 0.1041



12.8371, 0.3440, 0.2911



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.



24.9810, 0.4583, 0.2410



22.8834, 0.4952, 0.2501



22.9583, 0.6069, 0.3282



18.1422, 0.3214, 0.3169



11.9874, 0.4915, 0.2481



1.1893, 0.4668, 0.2345

Inverse Universe

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



24.9810, 0.4583, 0.2410



22.8834, 0.4952, 0.2501



78.9619, 0.2283, 0.3331



18.1422, 0.3214, 0.3169



11.9874, 0.4915, 0.2481



1.1893, 0.4668, 0.2345

Previews

White Background



This preview shows how the Yxy color 24.9796, 0.4583, 0.2410 looks on a white background.

Color Contrast Check

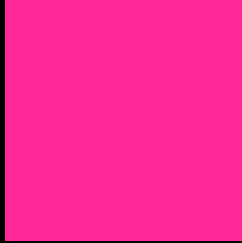
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9796, 0.4583, 0.2410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

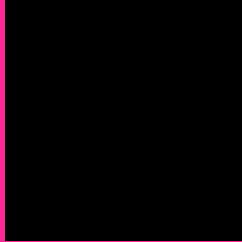
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9796, 0.4583, 0.2410

Background



This preview shows how black text looks on a background with the Yxy color 24.9796, 0.4583, 0.2410.



This preview shows how white text looks on a background with the Yxy color 24.9796, 0.4583, 0.2410.

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

24.9796, 0.4583, 0.2410

Protanopia

25.3268, 0.2320, 0.2198

Deuteranopia

25.0581, 0.3235, 0.3177



Tritanopia

24.9132, 0.5604, 0.3275

Trichromacy



Original Color

24.9796, 0.4583, 0.2410



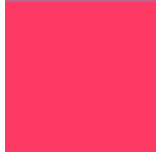
Protanomaly

20.5947, 0.2916, 0.2082



Deuteranomaly

21.6287, 0.3741, 0.2676



Tritanomaly

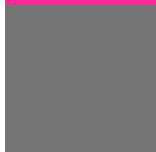
24.6417, 0.5290, 0.2965

Monochromacy



Original Color

24.9796, 0.4583, 0.2410



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.9452, 0.3713, 0.2680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9796, 0.4583, 0.2410 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 40, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 40, 150) }
```

Border

The CSS property to change the border of an element to Yxy 24.9796, 0.4583, 0.2410 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, 150) }
```

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

```
.border{ border-color:rgb(255, 40, 150) }
```

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, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 40, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 40, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 40,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9796, 0.4583, 0.2410 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, 150) }
```

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

```
.background{ background-color: rgb(255, 40,  
150) }
```

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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