

Converting Colors

$Y_{xy}(25.0550, 0.4425, 0.2298)$

Have a look what the booklet for
Yxy(25.0550, 0.4425, 0.2298)
contains.

Yxy(25.0598, 0.4430, 0.2303)	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(25.0598, 0.4430, 0.2303)

Conversions

Conversions Part 1

Format	Color
Hex	FF24A0
RGB	255, 36, 160
RGB Percent	100%, 14%, 63%
CMY	0.0002, 0.8582, 0.3726
CMYK	0.00, 0.86, 0.37, 0.00
HSL	326°, 100%, 57%
HSV	326°, 86%, 100%
XYZ	48.2045, 25.0598, 35.5494
YIQ	115.6170, 90.7200, 84.9920

Conversions

Conversions Part 2

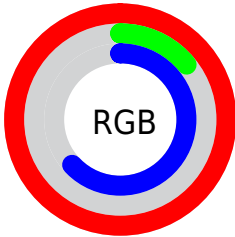
Format	Color
R _Y B	255, 36, 160
Decimal	16721056
CIE Lab	57.13, 83.51, -11.62
CIE LCh	57, 84.311, 352.075
Yxy	25.0598, 0.4430, 0.2303
Android (android.graphics.Color)	4294911136 (0xFFFF24A0)
YUV	115.6170, 21.8808, 122.2389
Hunter-Lab	50.0598, 84.2799, -7.0624

Details

The Yxy color **25.0598, 0.4430, 0.2303** 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 **73.5145, 0.2748, 0.4978**, and the grayscale version is **17.2774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5352, 0.3584, 0.2273**, and **12.3106, 0.4679, 0.2351** is the 20% darker color. If you saturate the color by 10%, you get **23.6515, 0.4634, 0.2344**, and if you desaturate by 10%, it is **27.6021, 0.4221, 0.2317**.

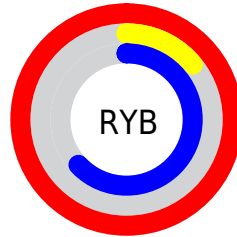
Distribution



Red (100%)

Green (14%)

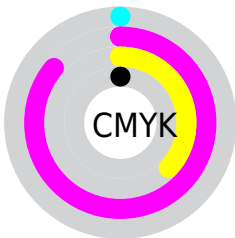
Blue (63%)



Red (100%)

Yellow (14%)

Blue (63%)

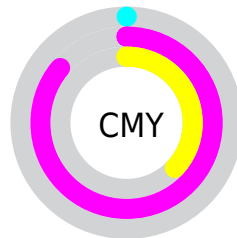


Cyan (0%)

Magenta (86%)

Yellow (37%)

Black (0%)



Cyan (0%)

Magenta (86%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0598, 0.4430, 0.2303 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 25.0598, 0.4430, 0.2303 by changing the saturation by 10% instead.


 25.0598, 0.4430,
0.2303


 25.0598, 0.4430,
0.2303


278.1356, 0.3738,
0.2809

 16.1216, 0.4614,
0.2175


 51.7542, 0.4170,
0.2489


 9.6103, 0.4856,
0.2011


 70.2792, 0.4075,
0.2558


 5.1413, 0.5188,
0.1793


 92.7687, 0.3995,
0.2616

 2.3304, 0.5662,
0.1497

 119.6069, 0.3928,
0.2666

 0.7897, 0.6383,
0.1078

 151.1783, 0.3870,
0.2709

 0.0000, 0.8174,
0.0000

187.8673, 0.3820,


 0.0000, 1.0000,


0.2746


0.0000


230.0583, 0.3777,
0.2779


 0.0000, 0.0000,
0.0000


 25.0598, 0.4430,
0.2303

 25.0598, 0.4430,
0.2303

 23.6515, 0.4634,
0.2344


 27.6021, 0.4221,
0.2317


 23.2752, 0.4717,
0.2372

 31.4748, 0.4018,
0.2381


 36.8414, 0.3827,
0.2485

 43.8406, 0.3655,
0.2615

 52.5950, 0.3504,
0.2761

 63.2154, 0.3374,
0.2913

 75.8035, 0.3265,
0.3064

 90.4535, 0.3173,
0.3209

99.9925, 0.3127,
0.3290

Harmonies

Analogous

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



25.0598, 0.2937, 0.1740



25.0598, 0.4430, 0.2303



25.0598, 0.5590, 0.3027

Triad

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



25.0598, 0.4430, 0.2303



25.0598, 0.3949, 0.5709



25.0598, 0.1020, 0.1840

Complementary

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



25.0598, 0.4430, 0.2303



73.5145, 0.2748, 0.4978

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.



25.0598, 0.1143, 0.2827



25.0598, 0.4430, 0.2303



25.0598, 0.2764, 0.5919

Square

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



25.0598, 0.4430, 0.2303



25.0598, 0.5042, 0.4759



25.0598, 0.1722, 0.4562



25.0598, 0.1240, 0.1460

Rectangle

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



25.0598, 0.4430, 0.2303



25.0598, 0.5804, 0.3547



25.0598, 0.1722, 0.4562



25.0598, 0.1020, 0.2085

Sweetspot

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



25.0612, 0.4430, 0.2303



63.0295, 0.3377, 0.2910



13.3113, 0.2046, 0.0972



12.6592, 0.3419, 0.2857



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.



25.0612, 0.4430, 0.2303



23.2835, 0.4717, 0.2372



22.7602, 0.6024, 0.3230



18.1593, 0.3205, 0.3156



12.1967, 0.4685, 0.2355



1.2095, 0.4470, 0.2236

Inverse Universe

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



25.0612, 0.4430, 0.2303



23.2835, 0.4717, 0.2372



78.1859, 0.2318, 0.3467



18.1593, 0.3205, 0.3156



12.1967, 0.4685, 0.2355



1.2095, 0.4470, 0.2236

Previews

White Background



This preview shows how the Yxy color 25.0598, 0.4430, 0.2303 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 25.0598, 0.4430, 0.2303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

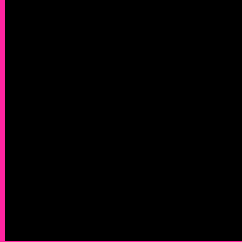
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.0598, 0.4430, 0.2303

Background



This preview shows how black text looks on a background with the Yxy color 25.0598, 0.4430, 0.2303.



This preview shows how white text looks on a background with the Yxy color 25.0598, 0.4430, 0.2303.

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

25.0598, 0.4430, 0.2303

Protanopia

25.5392, 0.2182, 0.2020

Deuteranopia

25.3311, 0.3105, 0.3048



Tritanopia

25.0011, 0.5561, 0.3274

Trichromacy



Original Color

25.0598, 0.4430, 0.2303



Protanomaly

20.3629, 0.2724, 0.1914



Deuteranomaly

21.4744, 0.3593, 0.2541



Tritanomaly

24.5553, 0.5208, 0.2916

Monochromacy



Original Color

25.0598, 0.4430, 0.2303



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.6978, 0.3672, 0.2608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0598, 0.4430, 0.2303 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, 36, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 160)  
}
```

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, 36, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 160) }
```

Border

The CSS property to change the border of an element to Yxy 25.0598, 0.4430, 0.2303 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, 36, 160) }
```

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

```
.border{ border-color:rgb(255, 36, 160) }
```

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

Here you see how a box with a 4 pixel rgb(255, 36, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0598, 0.4430, 0.2303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 160) }
```

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

```
.background{ background-color: rgb(255, 36,  
160) }
```

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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