

# Converting Colors

$Y_{xy}(25.8468, 0.3748, 0.2430)$

Have a look what the booklet for  
Yxy(25.8468, 0.3748, 0.2430)  
contains.

<b>Yxy(25.8007, 0.3758, 0.2432)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(25.8007, 0.3758, 0.2432)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D95FA9
RGB	217, 95, 169
RGB Percent	85%, 37%, 66%
CMY	0.1490, 0.6274, 0.3372
CMYK	0.00, 0.56, 0.22, 0.15
HSL	324°, 62%, 61%
HSV	324°, 56%, 85%
XYZ	39.8680, 25.8007, 40.4197
YIQ	139.9140, 48.9580, 48.8780

# Conversions

## Conversions Part 2

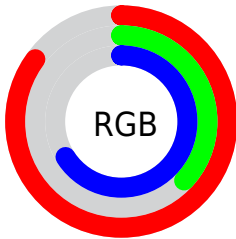
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	217, 95, 169
Decimal	14245801
CIE Lab	57.85, 55.97, -16.42
CIE LCh	58, 58.332, 343.655
Yxy	25.8007, 0.3758, 0.2432
Android (android.graphics.Color)	4292435881 (0xFFD95FA9)
YUV	139.9140, 14.3394, 67.6044
Hunter-Lab	50.7944, 51.2127, -11.6240

# Details

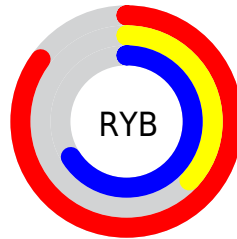
The Yxy color **25.8007, 0.3758, 0.2432** is a light color, and the websafe version is hex **CC6699**. The color can be described as light muted rose. A complement of this color would be **54.0386, 0.2801, 0.4389**, and the grayscale version is **26.1212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4545, 0.3444, 0.2544**, and **9.9784, 0.3955, 0.2172** is the 20% darker color. If you saturate the color by 10%, you get **22.1115, 0.3925, 0.2321**, and if you desaturate by 10%, it is **30.6019, 0.3606, 0.2570**.

# Distribution



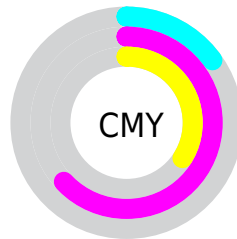
- Red (85%)
- Green (37%)
- Blue (66%)



- Red (85%)
- Yellow (37%)
- Blue (66%)



- Cyan (0%)
- Magenta (56%)
- Yellow (22%)
- Black (15%)




- Cyan (15%)
- Magenta (63%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8007, 0.3758, 0.2432 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 25.8007, 0.3758, 0.2432 by changing the saturation by 10% instead.





 25.8007, 0.3758,  
0.2432


 25.8007, 0.3758,  
0.2432


281.8024, 0.3429,  
0.2870


 16.6746, 0.3844,  
0.2321


 52.9533, 0.3635,  
0.2593


 10.0028, 0.3958,  
0.2178


 71.7485, 0.3590,  
0.2652

 5.4008, 0.4112,  
0.1987


 94.5356, 0.3552,  
0.2703

 2.4843, 0.4335,  
0.1722

 121.6989, 0.3520,  
0.2746

 0.8688, 0.4679,  
0.1336

153.6228, 0.3492,  
0.2783

 0.0000, 0.5698,  
0.0000

190.6918, 0.3468,

 0.0000, 1.0000,

0.2816


0.0000


233.2902, 0.3447,  
0.2844

 0.0000, 0.0000,  
0.0000

 25.8007, 0.3758,  
0.2432


 25.8007, 0.3758,  
0.2432

 22.1115, 0.3925,  
0.2321


 30.6019, 0.3606,  
0.2570


 19.4372, 0.4103,  
0.2247

 36.5940, 0.3471,  
0.2724


 17.6702, 0.4285,  
0.2223

 43.8528, 0.3355,  
0.2884

 16.6745, 0.4463,  
0.2251

 52.4470, 0.3256,  
0.3044


 16.4067, 0.4530,  
0.2269

 62.4403, 0.3172,  
0.3198

 73.8921, 0.3102,  
0.3344

 86.8584, 0.3044,  
0.3481

 92.4024, 0.2995,  
0.3473

 92.9141, 0.2949,  
0.3383

# Harmonies

## Analogous

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



25.8007, 0.2757, 0.2029



25.8007, 0.3758, 0.2432



25.8007, 0.4672, 0.3006

# Triad

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



25.8007, 0.3758, 0.2432



25.8007, 0.4124, 0.4955



25.8007, 0.1512, 0.2437

# Complementary

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



25.8007, 0.3758, 0.2432



54.0386, 0.2801, 0.4389

# 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.



25.8007, 0.1754, 0.3323



25.8007, 0.3758, 0.2432



25.8007, 0.3234, 0.5105

# Square

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



25.8007, 0.3758, 0.2432



25.8007, 0.4812, 0.4354



25.8007, 0.2363, 0.4441



25.8007, 0.1603, 0.1976



# Rectangle

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



25.8007, 0.3758, 0.2432



25.8007, 0.5005, 0.3440



25.8007, 0.2363, 0.4441



25.8007, 0.1553, 0.2685

# Sweetspot

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



25.8020, 0.3758, 0.2432



74.3421, 0.3264, 0.3029



18.9263, 0.2422, 0.1653



15.3487, 0.3284, 0.2997



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.



25.8020, 0.3758, 0.2432



31.2460, 0.3950, 0.2308



24.0464, 0.4618, 0.3130



13.1836, 0.3198, 0.3149



9.9538, 0.4506, 0.2256



0.6616, 0.4238, 0.2108



# Inverse Universe

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



25.8020, 0.3758, 0.2432



31.2460, 0.3950, 0.2308



56.3561, 0.2491, 0.3484



13.1836, 0.3198, 0.3149



9.9538, 0.4506, 0.2256



0.6616, 0.4238, 0.2108



# Previews

## White Background



This preview shows how the Yxy color 25.8007, 0.3758, 0.2432 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

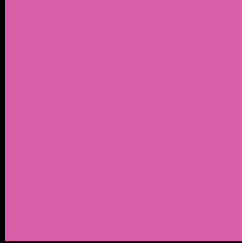
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 25.8007, 0.3758, 0.2432 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

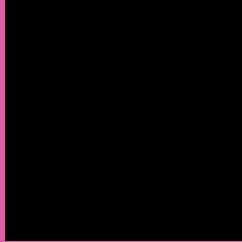
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.8007, 0.3758, 0.2432**

## Background



This preview shows how black text looks on a background with the Yxy color 25.8007, 0.3758, 0.2432.



This preview shows how white text looks on a background with the Yxy color 25.8007, 0.3758, 0.2432.

# 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

25.8007, 0.3758, 0.2432

### Protanopia

26.0545, 0.2434, 0.2339

### Deuteranopia

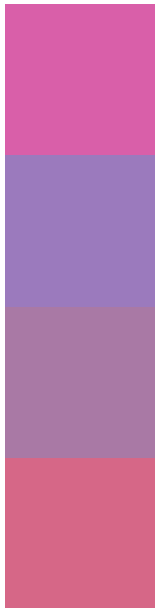
25.9677, 0.2934, 0.2877



## Tritanopia

25.7502, 0.4406, 0.3196

# Trichromacy



**Original Color**

25.8007, 0.3758, 0.2432

**Protanomaly**

24.5618, 0.2810, 0.2327

**Deuteranomaly**

24.8264, 0.3203, 0.2652

**Tritanomaly**

25.7459, 0.4169, 0.2904

# Monochromacy



**Original Color**

25.8007, 0.3758, 0.2432

**Achromatopsia**

26.2251, 0.3127, 0.3290

**Achromatomaly**

24.9745, 0.3346, 0.2888

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.8007, 0.3758, 0.2432 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(217, 95, 169)` looks like.

```
.text, #text, p{  
    color:rgb(217, 95, 169)  
}
```

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(217, 95, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 95, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 25.8007, 0.3758, 0.2432 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(217, 95, 169) }
```

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

```
.border{ border-color:rgb(217, 95, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 95, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 95, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 95, 169); box-shadow:4px 4px 4px 4px rgb(217, 95, 169) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.8007, 0.3758, 0.2432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 95, 169) }
```

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

```
.background{ background-color: rgb(217, 95,  
169) }
```

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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