

Converting Colors

$Y_{xy}(25.5238, 0.3413, 0.2757)$

Have a look what the booklet for
Yxy(25.5238, 0.3413, 0.2757)
contains.

Yxy(25.6049, 0.3412, 0.2755)	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(25.6049, 0.3412, 0.2755)

Conversions

Conversions Part 1

Format	Color
Hex	B4789E
RGB	180, 120, 158
RGB Percent	71%, 47%, 62%
CMY	0.2941, 0.5294, 0.3803
CMYK	0.00, 0.33, 0.12, 0.29
HSL	322°, 29%, 59%
HSV	322°, 33%, 71%
XYZ	31.7110, 25.6049, 35.6238
YIQ	142.2720, 23.5620, 24.5380

Conversions

Conversions Part 2

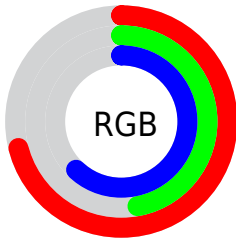
Format	Color
R_{YB}	180, 120, 158
Decimal	11827358
CIE _{Lab}	57.66, 29.28, -10.81
CIE _{LCh}	58, 31.217, 339.734
Yxy	25.6049, 0.3412, 0.2755
Android (android.graphics.Color)	4290017438 (0xFFB4789E)
YUV	142.2720, 7.7539, 33.0875
Hunter-Lab	50.6013, 23.3109, -6.3198

Details

The Yxy color **25.6049, 0.3412, 0.2755** is a light color, and the websafe version is hex **996699**. A complement of this color would be **38.5884, 0.2923, 0.3896**, and the grayscale version is **27.1261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.6958, 0.3355, 0.2857**, and **9.8775, 0.3499, 0.2570** is the 20% darker color. If you saturate the color by 10%, you get **21.4546, 0.3530, 0.2594**, and if you desaturate by 10%, it is **30.5836, 0.3310, 0.2920**.

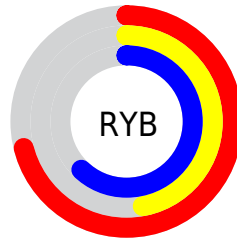
Distribution



Red (71%)

Green (47%)

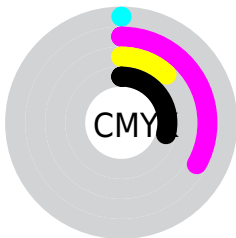
Blue (62%)



Red (71%)

Yellow (47%)

Blue (62%)

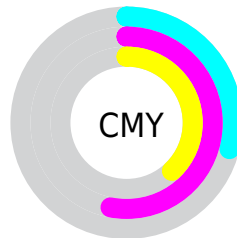


Cyan (0%)

Magenta (33%)

Yellow (12%)

Black (29%)



Cyan (29%)


Magenta (53%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.6049, 0.3412, 0.2755 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 25.6049, 0.3412, 0.2755 by changing the saturation by 10% instead.


 25.6049, 0.3412,
0.2755


 25.6049, 0.3412,
0.2755


280.8371, 0.3261,
0.3037


 16.5283, 0.3453,
0.2680


 52.6369, 0.3355,
0.2861

 9.8988, 0.3506,
0.2580


 71.3610, 0.3334,
0.2900

 5.3319, 0.3582,
0.2442


 94.0698, 0.3317,
0.2932

 2.4433, 0.3693,
0.2238

121.1476, 0.3303,
0.2960

 0.8480, 0.3875,
0.1911

152.9789, 0.3290,
0.2983

 0.0000, 0.4972,
0.0000

189.9479, 0.3279,

 0.0000, 0.0000,

0.3003

0.0000

232.4392, 0.3270,
0.3021

■ 25.6049, 0.3412,
0.2755

■ 25.6049, 0.3412,
0.2755

■ 21.4546, 0.3530,
0.2594

■ 30.5836, 0.3310,
0.2920

■ 18.0832, 0.3663,
0.2445

■ 36.4294, 0.3223,
0.3083

■ 15.4415, 0.3811,
0.2319


■ 43.1831, 0.3149,
0.3240

■ 13.4732, 0.3969,
0.2226


■ 50.8814, 0.3087,
0.3388

■ 12.1134, 0.4132,
0.2177


■ 59.5594, 0.3035,
0.3526

 11.2846, 0.4294,
0.2178

 69.2503, 0.2992,
0.3654

 10.9189, 0.4402,
0.2199

 79.9854, 0.2957,
0.3772

 85.9156, 0.2924,
0.3788

 86.2529, 0.2889,
0.3711

Harmonies

Analogous

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



25.6049, 0.2873, 0.2518



25.6049, 0.3412, 0.2755



25.6049, 0.3904, 0.3112

Triad

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



25.6049, 0.3412, 0.2755



25.6049, 0.3802, 0.4206



25.6049, 0.2184, 0.2909

Complementary

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



25.6049, 0.3412, 0.2755



38.5884, 0.2923, 0.3896

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.



25.6049, 0.2389, 0.3413



25.6049, 0.3412, 0.2755



25.6049, 0.3311, 0.4232

Square

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



25.6049, 0.3412, 0.2755



25.6049, 0.4126, 0.3926



25.6049, 0.2794, 0.3930



25.6049, 0.2205, 0.2574

Rectangle

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



25.6049, 0.3412, 0.2755



25.6049, 0.4116, 0.3387



25.6049, 0.2794, 0.3930



25.6049, 0.2227, 0.3063

Sweetspot

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



25.6061, 0.3412, 0.2755



69.7434, 0.3198, 0.3133



22.3919, 0.2746, 0.2370



14.7208, 0.3209, 0.3111



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.6061, 0.3412, 0.2755



40.7531, 0.3497, 0.2636



24.7221, 0.3772, 0.3161



8.5928, 0.3192, 0.3147



7.6340, 0.4383, 0.2188



0.2510, 0.3978, 0.1965

Inverse Universe

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



25.6061, 0.3412, 0.2755



40.7531, 0.3497, 0.2636



39.5760, 0.2720, 0.3426



8.5928, 0.3192, 0.3147



7.6340, 0.4383, 0.2188



0.2510, 0.3978, 0.1965

Previews

White Background



This preview shows how the Yxy color 25.6049, 0.3412, 0.2755 looks on a white background.

Color Contrast Check

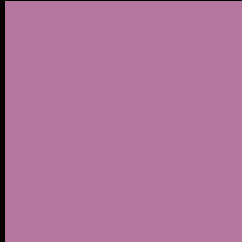
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6049, 0.3412, 0.2755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

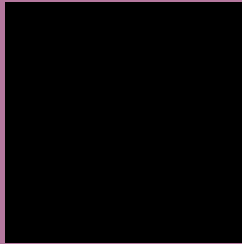
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.6049, 0.3412, 0.2755

Background



This preview shows how black text looks on a background with the Yxy color 25.6049, 0.3412, 0.2755.



This preview shows how white text looks on a background with the Yxy color 25.6049, 0.3412, 0.2755.

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

25.6049, 0.3412, 0.2755

Protanopia

25.9848, 0.2765, 0.2778

Deuteranopia

25.7142, 0.3033, 0.2971



Tritanopia

25.4836, 0.3658, 0.3145

Trichromacy



Original Color

25.6049, 0.3412, 0.2755

Protanomaly

25.3753, 0.2968, 0.2749

Deuteranomaly

25.6347, 0.3168, 0.2892

Tritanomaly

25.6141, 0.3562, 0.3001

Monochromacy



Original Color

25.6049, 0.3412, 0.2755

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.2562, 0.3227, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6049, 0.3412, 0.2755 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(180, 120, 158)` looks like.

```
.text, #text, p{  
    color:rgb(180, 120, 158)  
}
```

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(180, 120, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 120, 158) }
```

Border

The CSS property to change the border of an element to Yxy 25.6049, 0.3412, 0.2755 is called "border". The border property can be set on classes, ids or directly on the HTML element.

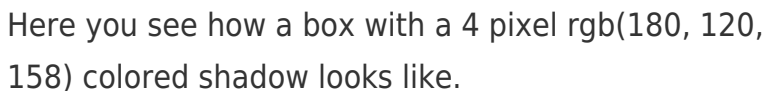
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 120, 158) }
```

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

```
.border{ border-color:rgb(180, 120, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(180, 120, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 120, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 120, 158); box-shadow:4px 4px 4px 4px rgb(180, 120, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6049, 0.3412, 0.2755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 120, 158) }
```

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

```
.background{ background-color: rgb(180,  
120, 158) }
```

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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