

Converting Colors

$Y_{xy}(25.4536, 0.3008, 0.2518)$

Have a look what the booklet for
Yxy(25.4536, 0.3008, 0.2518)
contains.

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Color

Yxy(25.4162, 0.2999, 0.2512)

Conversions

Conversions Part 1

Format	Color
Hex	A37CB2
RGB	163, 124, 178
RGB Percent	64%, 49%, 70%
CMY	0.3609, 0.5137, 0.3020
CMYK	0.08, 0.30, 0.00, 0.30
HSL	283°, 26%, 59%
HSV	283°, 30%, 70%
XYZ	30.3436, 25.4162, 45.4193
YIQ	141.8170, 5.9100, 25.0620

Conversions

Conversions Part 2

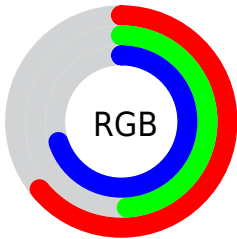
Format	Color
R _Y B	163, 124, 178
Decimal	10714290
CIE Lab	57.48, 25.01, -22.75
CIE LCh	57, 33.808, 317.709
Yxy	25.4162, 0.2999, 0.2512
Android (android.graphics.Color)	4288904370 (0xFFA37CB2)
YUV	141.8170, 17.8382, 18.5775
Hunter-Lab	50.4145, 19.2108, -18.1253

Details

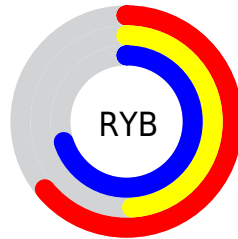
The Yxy color **25.4162, 0.2999, 0.2512** is a light color, and the websafe version is hex **996699**. A complement of this color would be **38.7825, 0.3215, 0.4128**, and the grayscale version is **26.9008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2902, 0.3026, 0.2660**, and **9.8278, 0.2934, 0.2280** is the 20% darker color. If you saturate the color by 10%, you get **20.8388, 0.2942, 0.2244**, and if you desaturate by 10%, it is **30.8214, 0.3049, 0.2779**.

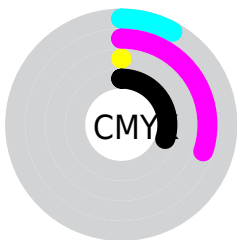
Distribution



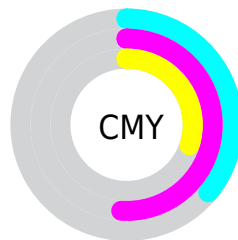
- Red (64%)
- Green (49%)
- Blue (70%)



- Red (64%)
- Yellow (49%)
- Blue (70%)



- Cyan (8%)
- Magenta (30%)
- Yellow (0%)
- Black (30%)





- Cyan (36%)
- Magenta (51%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.4162, 0.2999, 0.2512 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 25.4162, 0.2999, 0.2512 by changing the saturation by 10% instead.


 25.4162, 0.2999,
0.2512


 25.4162, 0.2999,
0.2512


279.9043, 0.3077,
0.2916


 16.3874, 0.2974,
0.2407


 52.3316, 0.3031,
0.2662

 9.7987, 0.2939,
0.2270


 70.9870, 0.3042,
0.2717

 5.2657, 0.2886,
0.2085


 93.6201, 0.3051,
0.2764

 2.4040, 0.2799,
0.1823

120.6153, 0.3058,
0.2803

 0.8279, 0.2637,
0.1428

152.3569, 0.3064,
0.2837

 0.0000, 0.2068,
0.0000

189.2293, 0.3069,

 0.0000, 0.0000,

0.2867

0.0000

231.6170, 0.3073,
0.2893

■ 25.4162, 0.2999,
0.2512

■ 25.4162, 0.2999,
0.2512

■ 20.8388, 0.2942,
0.2244

■ 30.8214, 0.3049,
0.2779

■ 17.0423, 0.2878,
0.1985

■ 37.0916, 0.3091,
0.3037

■ 13.9803, 0.2809,
0.1745

■ 44.2653, 0.3126,
0.3282

■ 11.5998, 0.2736,
0.1536

■ 52.3780, 0.3155,
0.3511

■ 9.8406, 0.2661,
0.1367

■ 61.4631, 0.3179,
0.3721

8.6316, 0.2587,
0.1243

71.5525, 0.3197,
0.3913

7.8418, 0.2517,
0.1160

82.6766, 0.3212,
0.4087

87.3704, 0.3236,
0.4140

88.0745, 0.3268,
0.4131

Harmonies

Analogous

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



25.4162, 0.2494, 0.2384



25.4162, 0.2999, 0.2512



25.4162, 0.3590, 0.2805

Triad

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



25.4162, 0.2999, 0.2512



25.4162, 0.4139, 0.4071



25.4162, 0.2248, 0.3263

Complementary

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



25.4162, 0.2999, 0.2512



38.7825, 0.3215, 0.4128

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.



25.4162, 0.2630, 0.3851



25.4162, 0.2999, 0.2512



25.4162, 0.3723, 0.4324

Square

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



25.4162, 0.2999, 0.2512



25.4162, 0.4282, 0.3659



25.4162, 0.3168, 0.4266



25.4162, 0.2094, 0.2755

Rectangle

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



25.4162, 0.2999, 0.2512



25.4162, 0.3941, 0.3066



25.4162, 0.3168, 0.4266



25.4162, 0.2352, 0.3461

Sweetspot

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



25.4173, 0.2999, 0.2512



68.7079, 0.3095, 0.3067



26.0543, 0.2629, 0.2673



14.8303, 0.3090, 0.3030



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.



25.4173, 0.2999, 0.2512



40.6992, 0.2964, 0.2343



26.6464, 0.3288, 0.2698



8.5256, 0.3095, 0.3063



5.6444, 0.2525, 0.1165



0.2049, 0.2725, 0.1275

Inverse Universe

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



25.7472, 0.3608, 0.3073



41.4735, 0.3749, 0.3026



37.8915, 0.2999, 0.3966



8.5428, 0.3245, 0.3227



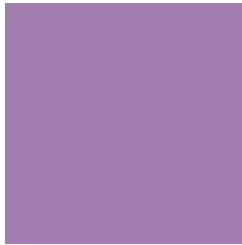
6.9434, 0.5803, 0.2970



0.2286, 0.4998, 0.2527

Previews

White Background



This preview shows how the Yxy color 25.4162, 0.2999, 0.2512 looks on a white background.

Color Contrast Check

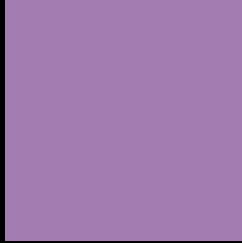
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.4162, 0.2999, 0.2512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

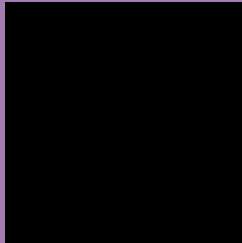
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.4162, 0.2999, 0.2512

Background



This preview shows how black text looks on a background with the Yxy color 25.4162, 0.2999, 0.2512.



This preview shows how white text looks on a background with the Yxy color 25.4162, 0.2999, 0.2512.

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

25.4162, 0.2999, 0.2512

Protanopia

25.4813, 0.2554, 0.2495

Deuteranopia

25.6484, 0.2712, 0.2659



Tritanopia

25.3238, 0.3319, 0.3133

Trichromacy



Original Color

25.4162, 0.2999, 0.2512

Protanomaly

25.3665, 0.2697, 0.2498

Deuteranomaly

25.5165, 0.2805, 0.2601

Tritanomaly

25.1424, 0.3203, 0.2892

Monochromacy



Original Color

25.4162, 0.2999, 0.2512

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.1785, 0.3087, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4162, 0.2999, 0.2512 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(163, 124, 178)` looks like.

```
.text, #text, p{  
    color:rgb(163, 124, 178)  
}
```

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(163, 124, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 124, 178) }
```

Border

The CSS property to change the border of an element to Yxy 25.4162, 0.2999, 0.2512 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(163, 124, 178) }
```

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

```
.border{ border-color:rgb(163, 124, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 124, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 124, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 124, 178);  
box-shadow:4px 4px 4px 4px rgb(163, 124,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4162, 0.2999, 0.2512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 124, 178) }
```

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

```
.background{ background-color: rgb(163,  
124, 178) }
```

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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