

Converting Colors

$Y_{xy}(25.1066, 0.3234, 0.2528)$

Have a look what the booklet for
Yxy(25.1066, 0.3234, 0.2528)
contains.

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Color

Yxy(25.1661, 0.3232, 0.2529)

Conversions

Conversions Part 1

Format	Color
Hex	B275AC
RGB	178, 117, 172
RGB Percent	70%, 46%, 67%
CMY	0.3021, 0.5411, 0.3256
CMYK	0.00, 0.34, 0.03, 0.30
HSL	306°, 28%, 58%
HSV	306°, 34%, 70%
XYZ	32.1617, 25.1661, 42.1823
YIQ	141.5090, 18.7010, 30.0370

Conversions

Conversions Part 2

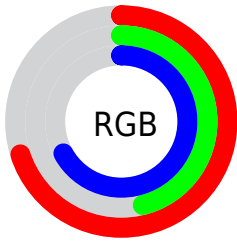
Format	Color
R _Y B	178, 117, 172
Decimal	11695532
CIE Lab	57.24, 32.74, -19.53
CIE LCh	57, 38.125, 329.189
Yxy	25.1661, 0.3232, 0.2529
Android (android.graphics.Color)	4289885612 (0xFFB275AC)
YUV	141.5090, 15.0321, 32.0026
Hunter-Lab	50.1658, 26.6474, -14.7384

Details

The Yxy color **25.1661, 0.3232, 0.2529** is a light color, and the websafe version is hex **996699**. A complement of this color would be **37.0442, 0.3037, 0.4193**, and the grayscale version is **26.7812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9577, 0.3224, 0.2680**, and **9.6555, 0.3243, 0.2284** is the 20% darker color. If you saturate the color by 10%, you get **21.3391, 0.3269, 0.2316**, and if you desaturate by 10%, it is **29.7847, 0.3198, 0.2752**.

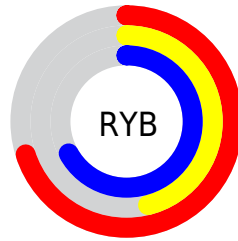
Distribution



Red (70%)

Green (46%)

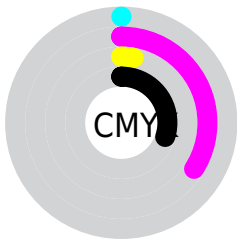
Blue (67%)



Red (70%)

Yellow (46%)

Blue (67%)

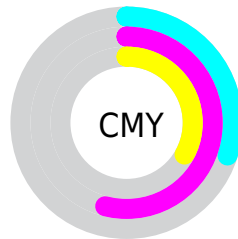


Cyan (0%)

Magenta (34%)

Yellow (3%)

Black (30%)



Cyan (30%)


Magenta (54%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.1661, 0.3232, 0.2529 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 25.1661, 0.3232, 0.2529 by changing the saturation by 10% instead.

 25.1661, 0.3232,
0.2529


 25.1661, 0.3232,
0.2529


278.6641, 0.3185,
0.2923


 16.2008, 0.3242,
0.2427


 51.9266, 0.3216,
0.2675

 9.6664, 0.3252,
0.2293

 70.4906, 0.3210,
0.2729

 5.1783, 0.3264,
0.2113


 93.0229, 0.3204,
0.2775

 2.3523, 0.3272,
0.1856

119.9081, 0.3199,
0.2813

 0.8012, 0.3265,
0.1466

151.5303, 0.3195,
0.2846

 0.0000, 0.3297,
0.0000

188.2742, 0.3191,

 0.0000, 0.0000,

0.2875

0.0000

230.5240, 0.3188,
0.2901

■ 25.1661, 0.3232,
0.2529

■ 25.1661, 0.3232,
0.2529

■ 21.3391, 0.3269,
0.2316

■ 29.7847, 0.3198,
0.2752

■ 18.2554, 0.3307,
0.2123

■ 35.2329, 0.3166,
0.2977

■ 15.8671, 0.3346,
0.1958

■ 41.5501, 0.3138,
0.3199

■ 14.1187, 0.3384,
0.1830


■ 48.7723, 0.3113,
0.3411


■ 12.9467, 0.3420,
0.1743


■ 56.9335, 0.3091,
0.3611


 12.2744, 0.3454,
0.1700

 66.0660, 0.3072,
0.3798

 12.0167, 0.3472,
0.1687

 76.2003, 0.3056,
0.3970

 84.5262, 0.3043,
0.4085

 84.6011, 0.3034,
0.4064

Harmonies

Analogous

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



25.1661, 0.2609, 0.2312



25.1661, 0.3232, 0.2529



25.1661, 0.3889, 0.2906

Triad

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



25.1661, 0.3232, 0.2529



25.1661, 0.4108, 0.4300



25.1661, 0.2047, 0.3008

Complementary

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



25.1661, 0.3232, 0.2529



37.0442, 0.3037, 0.4193

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.



25.1661, 0.2374, 0.3675



25.1661, 0.3232, 0.2529



25.1661, 0.3557, 0.4490

Square

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



25.1661, 0.3232, 0.2529



25.1661, 0.4410, 0.3875



25.1661, 0.2922, 0.4270



25.1661, 0.1982, 0.2526

Rectangle

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



25.1661, 0.3232, 0.2529



25.1661, 0.4226, 0.3215



25.1661, 0.2922, 0.4270



25.1661, 0.2127, 0.3218

Sweetspot

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



25.1672, 0.3232, 0.2529



68.3893, 0.3154, 0.3068



20.0857, 0.2569, 0.2300



14.8068, 0.3158, 0.3037



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.



25.1672, 0.3232, 0.2529



40.3411, 0.3259, 0.2369



24.1550, 0.3585, 0.2923



8.6320, 0.3152, 0.3087



8.6060, 0.3469, 0.1685



0.2749, 0.3388, 0.1640

Inverse Universe

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



25.1672, 0.3232, 0.2529



40.3411, 0.3259, 0.2369



37.8997, 0.2823, 0.3694



8.6320, 0.3152, 0.3087



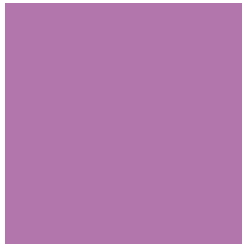
8.6060, 0.3469, 0.1685



0.2749, 0.3388, 0.1640

Previews

White Background



This preview shows how the Yxy color 25.1661, 0.3232, 0.2529 looks on a white background.

Color Contrast Check

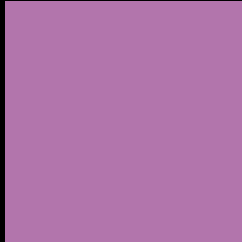
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1661, 0.3232, 0.2529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

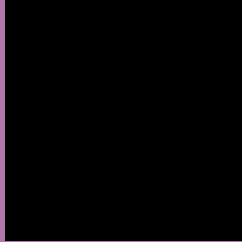
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.1661, 0.3232, 0.2529

Background



This preview shows how black text looks on a background with the Yxy color 25.1661, 0.3232, 0.2529.



This preview shows how white text looks on a background with the Yxy color 25.1661, 0.3232, 0.2529.

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

25.1661, 0.3232, 0.2529

Protanopia

25.4386, 0.2562, 0.2508

Deuteranopia

25.4268, 0.2809, 0.2749



Tritanopia

25.2727, 0.3606, 0.3157

Trichromacy



Original Color

25.1661, 0.3232, 0.2529

Protanomaly

24.9660, 0.2777, 0.2503

Deuteranomaly

24.9199, 0.2950, 0.2650

Tritanomaly

25.1711, 0.3468, 0.2912

Monochromacy



Original Color

25.1661, 0.3232, 0.2529

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.0435, 0.3164, 0.2980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1661, 0.3232, 0.2529 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(178, 117, 172)` looks like.

```
.text, #text, p{  
    color:rgb(178, 117, 172)  
}
```

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(178, 117, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 117, 172) }
```

Border

The CSS property to change the border of an element to Yxy 25.1661, 0.3232, 0.2529 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(178, 117, 172) }
```

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

```
.border{ border-color:rgb(178, 117, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 117, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 117, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 117, 172);  
box-shadow:4px 4px 4px 4px rgb(178, 117,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1661, 0.3232, 0.2529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 117, 172) }
```

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

```
.background{ background-color: rgb(178,  
117, 172) }
```

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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