

Converting Colors

$Y_{xy}(25.6489, 0.2514, 0.1997)$

Have a look what the booklet for
Yxy(25.6489, 0.2514, 0.1997)
contains.

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Color

Yxy(25.6700, 0.2517, 0.2002)

Conversions

Conversions Part 1

Format	Color
Hex	957BDB
RGB	149, 123, 219
RGB Percent	58%, 48%, 86%
CMY	0.4154, 0.5177, 0.1411
CMYK	0.32, 0.44, 0.00, 0.14
HSL	256°, 57%, 67%
HSV	256°, 44%, 86%
XYZ	32.2734, 25.6700, 70.2784
YIQ	141.7180, -15.3200, 35.3680

Conversions

Conversions Part 2

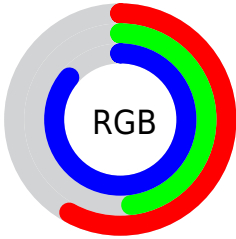
Format	Color
RYB	149, 123, 219
Decimal	9796571
CIELab	57.72, 31.05, -45.73
CIELCh	58, 55.281, 304.177
Yxy	25.6700, 0.2517, 0.2002
Android (android.graphics.Color)	4287986651 (0xFF957BDB)
YUV	141.7180, 38.1000, 6.3863
Hunter-Lab	50.6656, 25.0378, -46.7754

Details

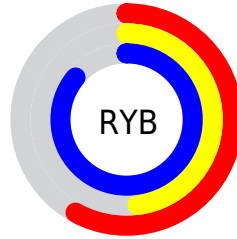
The Yxy color **25.6700, 0.2517, 0.2002** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **63.4246, 0.3568, 0.4448**, and the grayscale version is **26.7873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2498, 0.2779, 0.2424**, and **9.9748, 0.2312, 0.1674** is the 20% darker color. If you saturate the color by 10%, you get **19.4331, 0.2341, 0.1676**, and if you desaturate by 10%, it is **33.3296, 0.2683, 0.2328**.

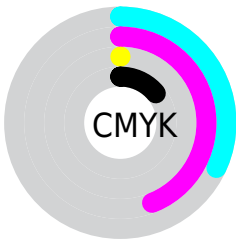
Distribution



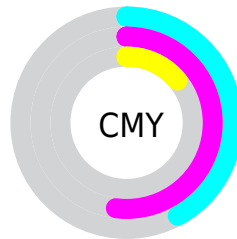
- Red (58%)
- Green (48%)
- Blue (86%)



- Red (58%)
- Yellow (48%)
- Blue (86%)



- Cyan (32%)
- Magenta (44%)
- Yellow (0%)
- Black (14%)




- Cyan (42%)
- Magenta (52%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.6700, 0.2517, 0.2002 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 25.6700, 0.2517, 0.2002 by changing the saturation by 10% instead.


 25.6700, 0.2517,
0.2002


 25.6700, 0.2517,
0.2002


281.1584, 0.2854,
0.2639


 16.5769, 0.2425,
0.1851


 52.7421, 0.2646,
0.2229

 9.9333, 0.2305,
0.1662


 71.4899, 0.2692,
0.2316

 5.3548, 0.2140,
0.1425


 94.2248, 0.2731,
0.2389

 2.4569, 0.1907,
0.1123

121.3310, 0.2763,
0.2453

 0.8549, 0.1565,
0.0743

153.1931, 0.2791,
0.2509

 0.0000, 0.1023,
0.0000

190.1955, 0.2815,

 0.0000, 0.0000,

0.2557

0.0000

232.7224, 0.2835,
0.2600

■ 25.6700, 0.2517,
0.2002

■ 25.6700, 0.2517,
0.2002

■ 19.4331, 0.2341,
0.1676

■ 33.3296, 0.2683,
0.2328

■ 14.5256, 0.2164,
0.1369

■ 42.4913, 0.2834,
0.2640

■ 10.8475, 0.1994,
0.1100

■ 53.2319, 0.2969,
0.2931

■ 8.2828, 0.1843,
0.0889

■ 65.6220, 0.3086,
0.3196

■ 6.6918, 0.1720,
0.0747

■ 79.7282, 0.3187,
0.3432

■ 6.0603, 0.1660,
0.0688

■ 95.6130, 0.3274,
0.3643

■ 97.8950, 0.3339,
0.3641

Harmonies

Analogous

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



25.6700, 0.1900, 0.1924



25.6700, 0.2517, 0.2002



25.6700, 0.3418, 0.2324

Triad

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



25.6700, 0.2517, 0.2002



25.6700, 0.4872, 0.4117



25.6700, 0.1964, 0.3660

Complementary

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



25.6700, 0.2517, 0.2002



63.4246, 0.3568, 0.4448

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.



25.6700, 0.2652, 0.4651



25.6700, 0.2517, 0.2002



25.6700, 0.4330, 0.4734

Square

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



25.6700, 0.2517, 0.2002



25.6700, 0.4919, 0.3457



25.6700, 0.3519, 0.5041



25.6700, 0.1614, 0.2707

Rectangle

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



25.6700, 0.2517, 0.2002



25.6700, 0.4066, 0.2650



25.6700, 0.3519, 0.5041



25.6700, 0.2160, 0.4019

Sweetspot

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



25.6710, 0.2517, 0.2002



76.3480, 0.2978, 0.2952



47.6418, 0.2478, 0.2943



15.5687, 0.2950, 0.2889



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.



25.6710, 0.2517, 0.2002



27.7418, 0.2348, 0.1689



31.0917, 0.2958, 0.2149



12.7875, 0.3023, 0.3051



3.6396, 0.1672, 0.0695



0.2781, 0.1844, 0.0790

Inverse Universe

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



33.0683, 0.3443, 0.2480



39.7335, 0.3538, 0.2319



58.1526, 0.3211, 0.4593



13.2113, 0.3179, 0.3121



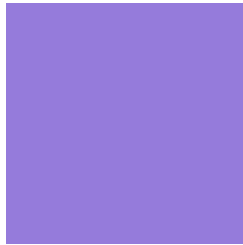
10.4437, 0.4036, 0.1997



0.6907, 0.3871, 0.1906

Previews

White Background



This preview shows how the Yxy color 25.6700, 0.2517, 0.2002 looks on a white background.

Color Contrast Check

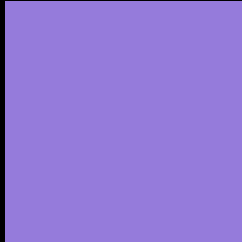
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6700, 0.2517, 0.2002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

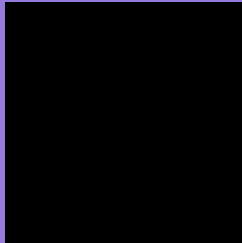
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.6700, 0.2517, 0.2002

Background



This preview shows how black text looks on a background with the Yxy color 25.6700, 0.2517, 0.2002.



This preview shows how white text looks on a background with the Yxy color 25.6700, 0.2517, 0.2002.

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

25.6700, 0.2517, 0.2002

Protanopia

26.0308, 0.2135, 0.1961

Deuteranopia

26.0198, 0.2199, 0.2146



Tritanopia

25.7861, 0.2986, 0.3124

Trichromacy



Original Color

25.6700, 0.2517, 0.2002

Protanomaly

25.5751, 0.2251, 0.1964

Deuteranomaly

25.5667, 0.2298, 0.2080

Tritanomaly

25.4065, 0.2802, 0.2653

Monochromacy



Original Color

25.6700, 0.2517, 0.2002

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.2500, 0.2890, 0.2749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6700, 0.2517, 0.2002 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(149, 123, 219)` looks like.

```
.text, #text, p{  
    color:rgb(149, 123, 219)  
}
```

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(149, 123, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 123, 219) }
```

Border

The CSS property to change the border of an element to Yxy 25.6700, 0.2517, 0.2002 is called "border". The border property can be set on classes, ids or directly on the HTML element.

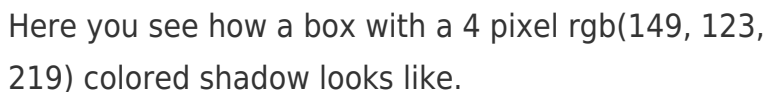
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(149, 123, 219) }
```

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

```
.border{ border-color:rgb(149, 123, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(149, 123, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 123, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 123, 219); box-shadow:4px 4px 4px 4px rgb(149, 123, 219) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6700, 0.2517, 0.2002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 123, 219) }
```

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

```
.background{ background-color: rgb(149,  
123, 219) }
```

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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