

Converting Colors

$Y_{xy}(25.7505, 0.2563, 0.1609)$

Have a look what the booklet for
Yxy(25.7505, 0.2563, 0.1609)
contains.

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Color

Yxy(25.7709, 0.2562, 0.1610)

Conversions

Conversions Part 1

Format	Color
Hex	B663FA
RGB	182, 99, 250
RGB Percent	71%, 39%, 98%
CMY	0.2864, 0.6117, 0.0195
CMYK	0.27, 0.60, 0.00, 0.02
HSL	273°, 94%, 68%
HSV	273°, 60%, 98%
XYZ	41.0093, 25.7709, 93.2875
YIQ	141.0310, 0.9970, 64.5570

Conversions

Conversions Part 2

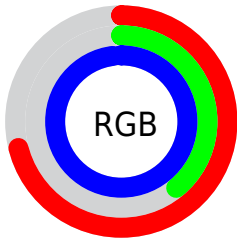
Format	Color
R_{YB}	182, 99, 250
Decimal	11953146
CIE _{Lab}	57.82, 59.63, -62.68
CIE _{LCh}	58, 86.517, 313.573
Yxy	25.7709, 0.2562, 0.1610
Android (android.graphics.Color)	4290143226 (0xFFB663FA)
YUV	141.0310, 53.7217, 35.9298
Hunter-Lab	50.7650, 55.3582, -73.4176

Details

The Yxy color **25.7709, 0.2562, 0.1610** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **77.5194, 0.3404, 0.5036**, and the grayscale version is **26.4345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7032, 0.3057, 0.2266**, and **10.0121, 0.2351, 0.1247** is the 20% darker color. If you saturate the color by 10%, you get **20.4280, 0.2440, 0.1368**, and if you desaturate by 10%, it is **32.6921, 0.2681, 0.1884**.

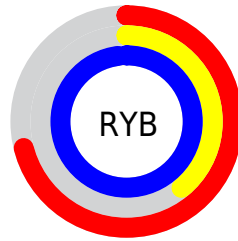
Distribution



Red (71%)

Green (39%)

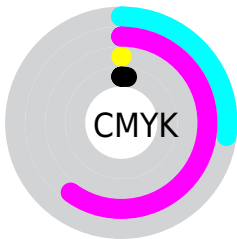
Blue (98%)



Red (71%)

Yellow (39%)

Blue (98%)

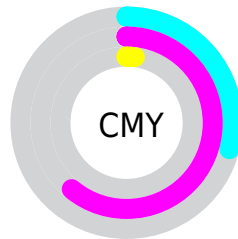


Cyan (27%)

Magenta (60%)

Yellow (0%)

Black (2%)



Cyan (29%)


Magenta (61%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7709, 0.2562, 0.1610 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 25.7709, 0.2562, 0.1610 by changing the saturation by 10% instead.


 25.7709, 0.2562,
0.1610


 25.7709, 0.2562,
0.1610


281.6556, 0.2887,
0.2382


 16.6523, 0.2473,
0.1444


 52.9051, 0.2687,
0.1871


 9.9869, 0.2357,
0.1249


 71.6896, 0.2732,
0.1975

 5.3903, 0.2201,
0.1017


 94.4647, 0.2769,
0.2065

 2.4780, 0.1986,
0.0747

 121.6151, 0.2801,
0.2145

 0.8656, 0.1683,
0.0448

153.5249, 0.2827,
0.2214

 0.0000, 0.1275,
0.0000

190.5787, 0.2850,


 0.0000, 0.0371,

0.2276


0.0000


233.1608, 0.2870,
0.2332


 0.0000, 0.0000,
0.0000


 25.7709, 0.2562,
0.1610


 25.7709, 0.2562,
0.1610

 20.4280, 0.2440,
0.1368


 32.6921, 0.2681,
0.1884


 16.5175, 0.2319,
0.1170


 41.3138, 0.2792,
0.2174

 13.8701, 0.2205,
0.1025

 51.7490, 0.2893,
0.2468

 12.2539, 0.2105,
0.0933

 64.1000, 0.2982,
0.2755

 78.4613, 0.3059,
0.3027

94.9211, 0.3125,
0.3280

99.6846, 0.3156,
0.3337

Harmonies

Analogous

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



25.7709, 0.1604, 0.1402



25.7709, 0.2562, 0.1610



25.7709, 0.4010, 0.2105

Triad

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



25.7709, 0.2562, 0.1610



25.7709, 0.5316, 0.4478



25.7709, 0.1230, 0.3251

Complementary

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



25.7709, 0.2562, 0.1610



77.5194, 0.3404, 0.5036

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.



25.7709, 0.1961, 0.5108



25.7709, 0.2562, 0.1610



25.7709, 0.4279, 0.5487

Square

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



25.7709, 0.2562, 0.1610



25.7709, 0.5835, 0.3580



25.7709, 0.3086, 0.6052



25.7709, 0.0996, 0.2024

Rectangle

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



25.7709, 0.2562, 0.1610



25.7709, 0.4996, 0.2558



25.7709, 0.3086, 0.6052



25.7709, 0.1414, 0.3845

Sweetspot

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



25.7719, 0.2562, 0.1610



70.4160, 0.3001, 0.2821



38.1154, 0.2149, 0.2233



14.1899, 0.2978, 0.2740



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.



25.7719, 0.2562, 0.1610



20.5782, 0.2419, 0.1331



35.8489, 0.3240, 0.1924



17.1130, 0.3066, 0.3051



6.5843, 0.2122, 0.0942



0.6728, 0.2244, 0.1010

Inverse Universe

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



32.0484, 0.4136, 0.2605



28.1551, 0.4448, 0.2537



72.0491, 0.3017, 0.5195



17.3553, 0.3223, 0.3184



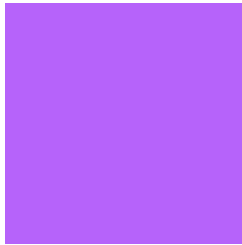
11.4369, 0.5172, 0.2623



1.0803, 0.4878, 0.2461

Previews

White Background



This preview shows how the Yxy color 25.7709, 0.2562, 0.1610 looks on a white background.

Color Contrast Check

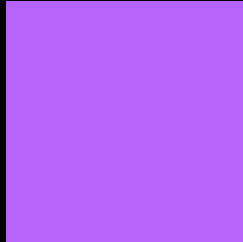
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7709, 0.2562, 0.1610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

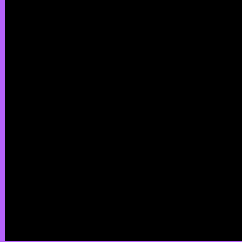
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7709, 0.2562, 0.1610

Background



This preview shows how black text looks on a background with the Yxy color 25.7709, 0.2562, 0.1610.

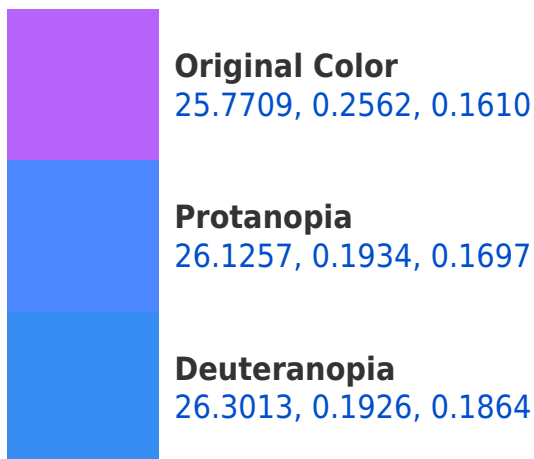


This preview shows how white text looks on a background with the Yxy color 25.7709, 0.2562, 0.1610.

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





Tritanopia

25.6452, 0.3403, 0.3137

Trichromacy



Original Color

25.7709, 0.2562, 0.1610



Protanomaly

24.6558, 0.2084, 0.1618



Deuteranomaly

24.3391, 0.2053, 0.1699



Tritanomaly

25.0350, 0.3056, 0.2435

Monochromacy



Original Color

25.7709, 0.2562, 0.1610



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

25.3258, 0.2897, 0.2486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7709, 0.2562, 0.1610 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(182, 99, 250)` looks like.

```
.text, #text, p{  
    color:rgb(182, 99, 250)  
}
```

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(182, 99, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 99, 250) }
```

Border

The CSS property to change the border of an element to Yxy 25.7709, 0.2562, 0.1610 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(182, 99, 250) }
```

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

```
.border{ border-color:rgb(182, 99, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 99, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 99, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 99, 250);  
box-shadow:4px 4px 4px 4px rgb(182, 99,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7709, 0.2562, 0.1610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 99, 250) }
```

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

```
.background{ background-color: rgb(182, 99,  
250) }
```

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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