

Converting Colors

$Y_{xy}(24.5936, 0.2554, 0.1527)$

Have a look what the booklet for
Yxy(24.5936, 0.2554, 0.1527)
contains.

Yxy(24.5945, 0.2552, 0.1525)	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(24.5945, 0.2552, 0.1525)

Conversions

Conversions Part 1

Format	Color
Hex	B85AFD
RGB	184, 90, 253
RGB Percent	72%, 35%, 99%
CMY	0.2784, 0.6471, 0.0078
CMYK	0.27, 0.64, 0.00, 0.01
HSL	275°, 98%, 67%
HSV	275°, 64%, 99%
XYZ	41.1575, 24.5945, 95.5234
YIQ	136.6880, 3.7010, 70.6210

Conversions

Conversions Part 2

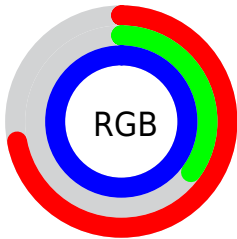
Format	Color
RYB	184, 90, 253
Decimal	12081917
CIELab	56.68, 65.01, -66.15
CIElCh	57, 92.748, 314.499
Yxy	24.5945, 0.2552, 0.1525
Android (android.graphics.Color)	4290271997 (0xFFB85AFD)
YUV	136.6880, 57.3418, 41.4926
Hunter-Lab	49.5928, 61.3511, -79.4866

Details

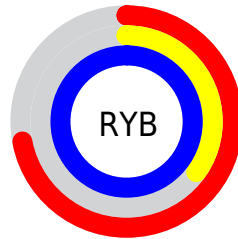
The Yxy color **24.5945, 0.2552, 0.1525** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **78.3720, 0.3379, 0.5165**, and the grayscale version is **24.6709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7039, 0.3084, 0.2199**, and **9.3557, 0.2346, 0.1159** is the 20% darker color. If you saturate the color by 10%, you get **19.7567, 0.2436, 0.1304**, and if you desaturate by 10%, it is **30.9860, 0.2666, 0.1783**.

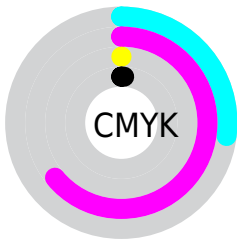
Distribution



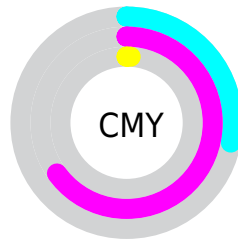
- Red (72%)
- Green (35%)
- Blue (99%)



- Red (72%)
- Yellow (35%)
- Blue (99%)



- Cyan (27%)
- Magenta (64%)
- Yellow (0%)
- Black (1%)



- Cyan (28%)
- Magenta (65%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5945, 0.2552, 0.1525 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 24.5945, 0.2552, 0.1525 by changing the saturation by 10% instead.


 24.5945, 0.2552,
0.1525


 24.5945, 0.2552,
0.1525


275.8125, 0.2887,
0.2328


 15.7752, 0.2460,
0.1356


 50.9986, 0.2681,
0.1795


 9.3652, 0.2340,
0.1157


 69.3522, 0.2728,
0.1903

 4.9802, 0.2179,
0.0925


 91.6527, 0.2766,
0.1997

 2.2356, 0.1958,
0.0660

 118.2845, 0.2799,
0.2079

 0.7393, 0.1648,
0.0372

149.6320, 0.2826,
0.2152

 0.0000, 0.1231,
0.0000

186.0795, 0.2849,


 0.0000, 0.0370,


0.2218

0.0000

228.0116, 0.2869,
0.2276


 0.0000, 0.0000,
0.0000


 24.5945, 0.2552,
0.1525


 24.5945, 0.2552,
0.1525

 19.7567, 0.2436,
0.1304


 30.9860, 0.2666,
0.1783


 16.3134, 0.2324,
0.1132


 39.0634, 0.2773,
0.2064

 14.0738, 0.2218,
0.1013

 48.9475, 0.2872,
0.2354

 13.1974, 0.2163,
0.0965

 60.7469, 0.2960,
0.2643

 74.5615, 0.3036,
0.2920

90.4842, 0.3102,
0.3181

99.8732, 0.3139,
0.3309

Harmonies

Analogous

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



24.5945, 0.1533, 0.1301



24.5945, 0.2552, 0.1525



24.5945, 0.4128, 0.2045

Triad

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



24.5945, 0.2552, 0.1525



24.5945, 0.5385, 0.4508



24.5945, 0.1093, 0.3166

Complementary

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



24.5945, 0.2552, 0.1525



78.3720, 0.3379, 0.5165

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.



24.5945, 0.1818, 0.5238



24.5945, 0.2552, 0.1525



24.5945, 0.4245, 0.5628

Square

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



24.5945, 0.2552, 0.1525



24.5945, 0.6010, 0.3559



24.5945, 0.2980, 0.6299



24.5945, 0.0883, 0.1894

Rectangle

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



24.5945, 0.2552, 0.1525



24.5945, 0.5195, 0.2516



24.5945, 0.2980, 0.6299



24.5945, 0.1269, 0.3813

Sweetspot

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



24.5954, 0.2552, 0.1525



69.2039, 0.3003, 0.2795



34.6285, 0.2073, 0.2073



13.9643, 0.2981, 0.2715



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.



24.5954, 0.2552, 0.1525



19.0705, 0.2407, 0.1255



34.6166, 0.3300, 0.1897



17.8950, 0.3070, 0.3051



7.1069, 0.2179, 0.0974



0.7563, 0.2292, 0.1036

Inverse Universe

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



30.6997, 0.4303, 0.2620



26.2978, 0.4671, 0.2578



73.3735, 0.2993, 0.5267



18.1147, 0.3227, 0.3190



11.7021, 0.5288, 0.2687



1.1607, 0.4996, 0.2526

Previews

White Background



This preview shows how the Yxy color 24.5945, 0.2552, 0.1525 looks on a white background.

Color Contrast Check

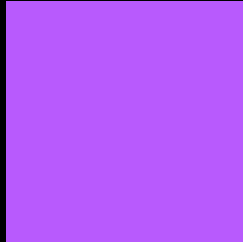
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5945, 0.2552, 0.1525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

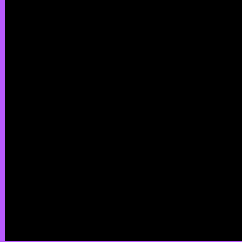
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5945, 0.2552, 0.1525

Background



This preview shows how black text looks on a background with the Yxy color 24.5945, 0.2552, 0.1525.



This preview shows how white text looks on a background with the Yxy color 24.5945, 0.2552, 0.1525.

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

24.5945, 0.2552, 0.1525

Protanopia

24.9515, 0.1893, 0.1646

Deuteranopia

24.8949, 0.1854, 0.1793



Tritanopia

24.5635, 0.3483, 0.3152

Trichromacy



Original Color

24.5945, 0.2552, 0.1525



Protanomaly

23.1933, 0.2039, 0.1541



Deuteranomaly

22.3214, 0.1947, 0.1588



Tritanomaly

23.6825, 0.3089, 0.2380

Monochromacy



Original Color

24.5945, 0.2552, 0.1525



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.5576, 0.2892, 0.2417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5945, 0.2552, 0.1525 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(184, 90, 253)` looks like.

```
.text, #text, p{  
    color:rgb(184, 90, 253)  
}
```

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(184, 90, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 90, 253) }
```

Border

The CSS property to change the border of an element to Yxy 24.5945, 0.2552, 0.1525 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(184, 90, 253) }
```

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

```
.border{ border-color:rgb(184, 90, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 90, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 90, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 90, 253);  
box-shadow:4px 4px 4px 4px rgb(184, 90,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5945, 0.2552, 0.1525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 90, 253) }
```

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

```
.background{ background-color: rgb(184, 90,  
253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor