

Converting Colors

$Y_{xy}(24.9232, 0.2518, 0.1526)$

Have a look what the booklet for
Yxy(24.9232, 0.2518, 0.1526)
contains.

Yxy(24.8725, 0.2514, 0.1525)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.8725, 0.2514, 0.1525)

Conversions

Conversions Part 1

Format	Color
Hex	B55DFF
RGB	181, 93, 255
RGB Percent	71%, 36%, 100%
CMY	0.2905, 0.6350, 0.0001
CMYK	0.29, 0.63, 0.00, 0.00
HSL	273°, 100%, 68%
HSV	273°, 63%, 100%
XYZ	41.0029, 24.8725, 97.2229
YIQ	137.7800, 0.4460, 69.0380

Conversions

Conversions Part 2

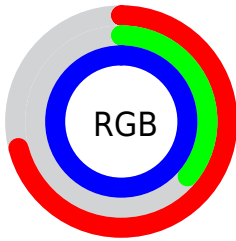
Format	Color
R_{YB}	181, 93, 255
Decimal	11886079
CIE _{Lab}	56.95, 63.36, -66.81
CIE _{LCh}	57, 92.075, 313.479
Yxy	24.8725, 0.2514, 0.1525
Android (android.graphics.Color)	4290076159 (0xFFB55DFF)
YUV	137.7800, 57.7895, 37.9039
Hunter-Lab	49.8723, 59.4786, -80.6714

Details

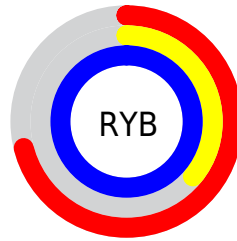
The Yxy color **24.8725, 0.2514, 0.1525** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **80.5213, 0.3413, 0.5119**, and the grayscale version is **25.1091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1006, 0.3058, 0.2219**, and **9.5039, 0.2301, 0.1158** is the 20% darker color. If you saturate the color by 10%, you get **19.7648, 0.2390, 0.1294**, and if you desaturate by 10%, it is **31.5916, 0.2636, 0.1792**.

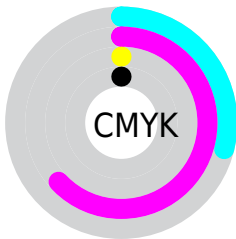
Distribution



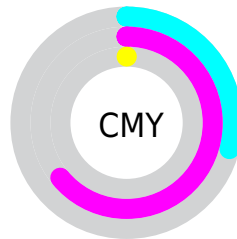
- Red (71%)
- Green (36%)
- Blue (100%)



- Red (71%)
- Yellow (36%)
- Blue (100%)



- Cyan (29%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8725, 0.2514, 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 24.8725, 0.2514, 0.1525 by changing the saturation by 10% instead.


 24.8725, 0.2514,
0.1525


 24.8725, 0.2514,
0.1525


277.2024, 0.2866,
0.2327


 15.9821, 0.2419,
0.1356


 51.4503, 0.2649,
0.1794

 9.5115, 0.2295,
0.1158


 69.9065, 0.2698,
0.1902

 5.0763, 0.2129,
0.0927


 92.3201, 0.2738,
0.1996

 2.2921, 0.1904,
0.0663

 119.0754, 0.2772,
0.2079

 0.7695, 0.1593,
0.0377

150.5569, 0.2801,
0.2152

 0.0000, 0.1178,
0.0000

187.1490, 0.2826,

 0.0000, 0.0332,

0.2217


0.0000


229.2360, 0.2848,
0.2275


 0.0000, 0.0000,
0.0000


 24.8725, 0.2514,
0.1525


 24.8725, 0.2514,
0.1525

 19.7648, 0.2390,
0.1294

 31.5916, 0.2636,
0.1792

 16.1081, 0.2269,
0.1111

 40.0558, 0.2752,
0.2080


 13.7116, 0.2157,
0.0983

 50.3876, 0.2858,
0.2375

 12.6522, 0.2090,
0.0925

 62.6973, 0.2953,
0.2666

 77.0865, 0.3035,
0.2944

 93.6497, 0.3105,
0.3204

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



24.8725, 0.1520, 0.1312



24.8725, 0.2514, 0.1525



24.8725, 0.4061, 0.2034

Triad

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



24.8725, 0.2514, 0.1525



24.8725, 0.5403, 0.4472



24.8725, 0.1124, 0.3232

Complementary

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



24.8725, 0.2514, 0.1525



80.5213, 0.3413, 0.5119

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.



24.8725, 0.1867, 0.5279



24.8725, 0.2514, 0.1525



24.8725, 0.4288, 0.5577

Square

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



24.8725, 0.2514, 0.1525



24.8725, 0.5992, 0.3537



24.8725, 0.3032, 0.6265



24.8725, 0.0899, 0.1936

Rectangle

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



24.8725, 0.2514, 0.1525



24.8725, 0.5126, 0.2499



24.8725, 0.3032, 0.6265



24.8725, 0.1307, 0.3880

Sweetspot

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



24.8734, 0.2514, 0.1525



68.9248, 0.2991, 0.2793



37.7847, 0.2103, 0.2166



13.8968, 0.2967, 0.2713



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.



24.8734, 0.2514, 0.1525



18.7254, 0.2359, 0.1243



35.9707, 0.3246, 0.1873



17.8633, 0.3064, 0.3050



6.7026, 0.2107, 0.0934



0.7176, 0.2224, 0.0999

Inverse Universe

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



31.8895, 0.4203, 0.2571



26.8156, 0.4540, 0.2515



74.7231, 0.3012, 0.5297



18.1253, 0.3222, 0.3182



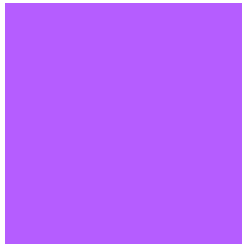
11.8046, 0.5145, 0.2608



1.1711, 0.4868, 0.2456

Previews

White Background



This preview shows how the Yxy color 24.8725, 0.2514, 0.1525 looks on a white background.

Color Contrast Check

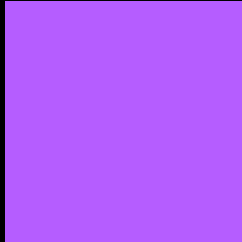
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8725, 0.2514, 0.1525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

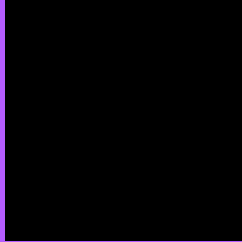
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8725, 0.2514, 0.1525

Background



This preview shows how black text looks on a background with the Yxy color 24.8725, 0.2514, 0.1525.

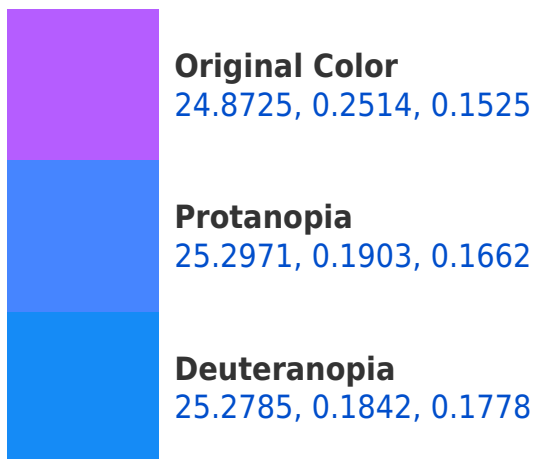


This preview shows how white text looks on a background with the Yxy color 24.8725, 0.2514, 0.1525.

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





Tritanopia

24.7469, 0.3395, 0.3134

Trichromacy



Original Color

24.8725, 0.2514, 0.1525



Protanomaly

23.4919, 0.2037, 0.1546



Deuteranomaly

22.4209, 0.1918, 0.1577



Tritanomaly

23.9225, 0.3024, 0.2362

Monochromacy



Original Color

24.8725, 0.2514, 0.1525



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

24.1253, 0.2874, 0.2422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8725, 0.2514, 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(181, 93, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 93, 255)  
}
```

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(181, 93, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 93, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.8725, 0.2514, 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(181, 93, 255) }
```

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

```
.border{ border-color:rgb(181, 93, 255) }
```

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

Here you see how a box with a 4 pixel rgb(181, 93, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 93, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 93, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 93,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8725, 0.2514, 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(181, 93, 255) }
```

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

```
.background{ background-color: rgb(181, 93,  
255) }
```

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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