

Converting Colors

$Y_{xy}(24.4496, 0.2523, 0.1577)$

Have a look what the booklet for
Yxy(24.4496, 0.2523, 0.1577)
contains.

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Color

Yxy(24.3732, 0.2520, 0.1574)

Conversions

Conversions Part 1

Format	Color
Hex	B060F8
RGB	176, 96, 248
RGB Percent	69%, 38%, 97%
CMY	0.3100, 0.6234, 0.0275
CMYK	0.29, 0.61, 0.00, 0.03
HSL	272°, 92%, 67%
HSV	272°, 61%, 97%
XYZ	39.0219, 24.3732, 91.4537
YIQ	137.2480, -1.1120, 64.2320

Conversions

Conversions Part 2

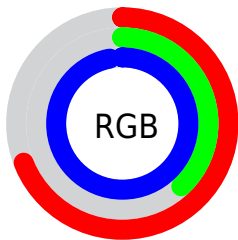
Format	Color
R _Y B	176, 96, 248
Decimal	11559160
CIE Lab	56.46, 59.29, -63.77
CIE LCh	56, 87.075, 312.914
Yxy	24.3732, 0.2520, 0.1574
Android (android.graphics.Color)	4289749240 (0xFFB060F8)
YUV	137.2480, 54.6007, 33.9855
Hunter-Lab	49.3692, 54.6919, -75.2729

Details

The Yxy color **24.3732, 0.2520, 0.1574** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **76.3135, 0.3428, 0.5046**, and the grayscale version is **24.9074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6949, 0.3007, 0.2221**, and **9.2691, 0.2296, 0.1202** is the 20% darker color. If you saturate the color by 10%, you get **19.2270, 0.2392, 0.1331**, and if you desaturate by 10%, it is **31.0667, 0.2645, 0.1850**.

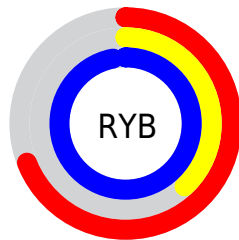
Distribution



Red (69%)

Green (38%)

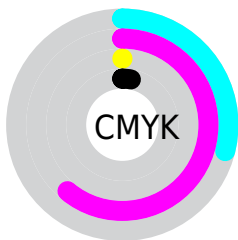
Blue (97%)



Red (69%)

Yellow (38%)

Blue (97%)

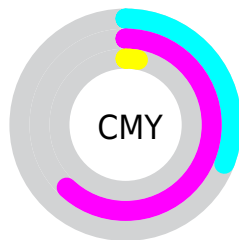


Cyan (29%)

Magenta (61%)

Yellow (0%)

Black (3%)



Cyan (31%)


Magenta (62%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3732, 0.2520, 0.1574 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 24.3732, 0.2520, 0.1574 by changing the saturation by 10% instead.


 24.3732, 0.2520,
0.1574


 24.3732, 0.2520,
0.1574


274.7019, 0.2869,
0.2365


 15.6107, 0.2425,
0.1404


 50.6385, 0.2654,
0.1842

 9.2491, 0.2300,
0.1204


 68.9101, 0.2703,
0.1949

 4.9040, 0.2134,
0.0967


 91.1202, 0.2743,
0.2041

 2.1911, 0.1904,
0.0694

 117.6532, 0.2776,
0.2122

 0.7151, 0.1584,
0.0392

148.8935, 0.2805,
0.2194

 0.0000, 0.1151,
0.0000

185.2254, 0.2829,

 0.0000, 0.0052,

0.2258

0.0000

227.0334, 0.2851,
0.2314

0.0000, 0.0000,
0.0000

24.3732, 0.2520,
0.1574

24.3732, 0.2520,
0.1574

19.2270, 0.2392,
0.1331

31.0667, 0.2645,
0.1850

15.4831, 0.2267,
0.1133

39.4292, 0.2763,
0.2143

12.9718, 0.2150,
0.0991


49.5726, 0.2870,
0.2440

11.5564, 0.2057,
0.0907

61.5986, 0.2966,
0.2729

75.6006, 0.3048,
0.3004

 91.6659, 0.3119,
0.3259

 99.5573, 0.3168,
0.3357

Harmonies

Analogous

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



24.3732, 0.1562, 0.1371



24.3732, 0.2520, 0.1574



24.3732, 0.3994, 0.2068

Triad

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



24.3732, 0.2520, 0.1574



24.3732, 0.5364, 0.4456



24.3732, 0.1204, 0.3281

Complementary

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



24.3732, 0.2520, 0.1574



76.3135, 0.3428, 0.5046

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.



24.3732, 0.1951, 0.5201



24.3732, 0.2520, 0.1574



24.3732, 0.4307, 0.5496

Square

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



24.3732, 0.2520, 0.1574



24.3732, 0.5890, 0.3549



24.3732, 0.3095, 0.6123



24.3732, 0.0964, 0.2012

Rectangle

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



24.3732, 0.2520, 0.1574



24.3732, 0.5011, 0.2523



24.3732, 0.3095, 0.6123



24.3732, 0.1392, 0.3897

Sweetspot

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



24.3741, 0.2520, 0.1574



70.2338, 0.2994, 0.2820



37.8227, 0.2145, 0.2250



14.1455, 0.2969, 0.2739



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.



24.3741, 0.2520, 0.1574



19.2085, 0.2356, 0.1270



34.9498, 0.3217, 0.1892



17.0922, 0.3062, 0.3051



6.3270, 0.2073, 0.0916



0.6491, 0.2199, 0.0985

Inverse Universe

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



31.1589, 0.4110, 0.2562



27.5839, 0.4437, 0.2488



70.5157, 0.3025, 0.5250



17.3623, 0.3219, 0.3178



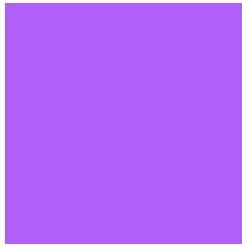
11.5096, 0.5072, 0.2568



1.0872, 0.4791, 0.2413

Previews

White Background



This preview shows how the Yxy color 24.3732, 0.2520, 0.1574 looks on a white background.

Color Contrast Check

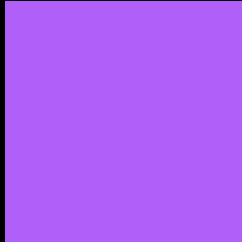
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3732, 0.2520, 0.1574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

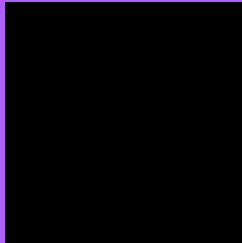
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3732, 0.2520, 0.1574

Background



This preview shows how black text looks on a background with the Yxy color 24.3732, 0.2520, 0.1574.

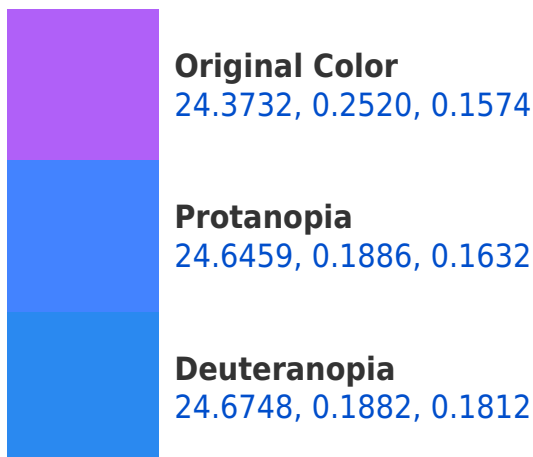


This preview shows how white text looks on a background with the Yxy color 24.3732, 0.2520, 0.1574.

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

24.3412, 0.3347, 0.3132

Trichromacy



Original Color

24.3732, 0.2520, 0.1574



Protanomaly

23.1109, 0.2032, 0.1560



Deuteranomaly

22.6143, 0.1992, 0.1641



Tritanomaly

23.4917, 0.2999, 0.2398

Monochromacy



Original Color

24.3732, 0.2520, 0.1574



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.6727, 0.2880, 0.2465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3732, 0.2520, 0.1574 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(176, 96, 248)` looks like.

```
.text, #text, p{  
    color:rgb(176, 96, 248)  
}
```

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(176, 96, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 96, 248) }
```

Border

The CSS property to change the border of an element to Yxy 24.3732, 0.2520, 0.1574 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(176, 96, 248) }
```

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

```
.border{ border-color:rgb(176, 96, 248) }
```

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

Here you see how a box with a 4 pixel rgb(176, 96, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 96, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 96, 248);  
box-shadow:4px 4px 4px 4px rgb(176, 96,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3732, 0.2520, 0.1574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 96, 248) }
```

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

```
.background{ background-color: rgb(176, 96,  
248) }
```

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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