

# Converting Colors

$Y_{xy}(24.1392, 0.2496, 0.1494)$

Have a look what the booklet for  
Yxy(24.1392, 0.2496, 0.1494)  
contains.

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**Color**

**Yxy(24.1160, 0.2494, 0.1493)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B35AFF
RGB	179, 90, 255
RGB Percent	70%, 35%, 100%
CMY	0.2982, 0.6469, 0.0001
CMYK	0.30, 0.65, 0.00, 0.00
HSL	272°, 100%, 68%
HSV	272°, 65%, 100%
XYZ	40.2849, 24.1160, 97.1263
YIQ	135.4210, 0.0790, 70.1830

# Conversions

## Conversions Part 2

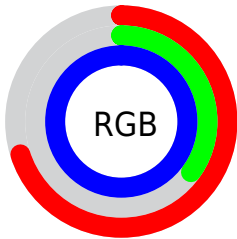
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	179, 90, 255
Decimal	11754239
CIE <sub>Lab</sub>	56.20, 64.36, -68.04
CIE <sub>LCh</sub>	56, 93.654, 313.409
Yxy	24.1160, 0.2494, 0.1493
Android (android.graphics.Color)	4289944319 (0xFFB35AFF)
YUV	135.4210, 58.9524, 38.2188
Hunter-Lab	49.1080, 60.4901, -82.8886

# Details

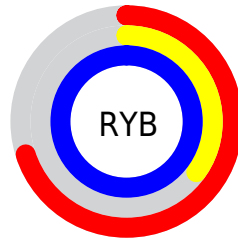
The Yxy color **24.1160, 0.2494, 0.1493** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **80.3658, 0.3418, 0.5148**, and the grayscale version is **24.1738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8215, 0.3041, 0.2185**, and **9.0573, 0.2264, 0.1118** is the 20% darker color. If you saturate the color by 10%, you get **19.1845, 0.2369, 0.1266**, and if you desaturate by 10%, it is **30.6433, 0.2618, 0.1757**.

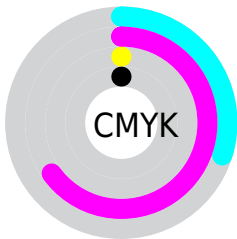
# Distribution



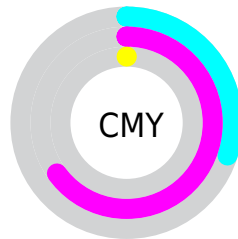
- Red (70%)
- Green (35%)
- Blue (100%)



- Red (70%)
- Yellow (35%)
- Blue (100%)



- Cyan (30%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)




- Cyan (30%)
- Magenta (65%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1160, 0.2494, 0.1493 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 24.1160, 0.2494, 0.1493 by changing the saturation by 10% instead.





 24.1160, 0.2494,  
0.1493


 24.1160, 0.2494,  
0.1493


273.4064, 0.2859,  
0.2309


 15.4197, 0.2395,  
0.1322


 50.2194, 0.2634,  
0.1766


 9.1145, 0.2267,  
0.1122


 68.3953, 0.2684,  
0.1876

 4.8159, 0.2097,  
0.0889


 90.4999, 0.2726,  
0.1972

 2.1397, 0.1865,  
0.0626

 116.9175, 0.2761,  
0.2056

 0.6868, 0.1547,  
0.0341

148.0326, 0.2791,  
0.2130

 0.0000, 0.1123,  
0.0000

184.2295, 0.2817,


 0.0000, 0.0231,


0.2197


0.0000

225.8926, 0.2839,  
0.2256


 0.0000, 0.0000,  
0.0000


 24.1160, 0.2494,  
0.1493


 24.1160, 0.2494,  
0.1493


 19.1845, 0.2369,  
0.1266


 30.6433, 0.2618,  
0.1757


 15.6853, 0.2249,  
0.1089


 38.9025, 0.2735,  
0.2044

 13.4219, 0.2137,  
0.0968

 49.0177, 0.2844,  
0.2340

 12.5741, 0.2083,  
0.0921

 61.1003, 0.2940,  
0.2632

 75.2531, 0.3025,  
0.2912

91.5713, 0.3097,  
0.3174

99.9990, 0.3127,  
0.3290

# Harmonies

## Analogous

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



24.1160, 0.1488, 0.1279



24.1160, 0.2494, 0.1493



24.1160, 0.4078, 0.2006

# Triad

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



24.1160, 0.2494, 0.1493



24.1160, 0.5439, 0.4469



24.1160, 0.1085, 0.3226

# Complementary

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



24.1160, 0.2494, 0.1493



80.3658, 0.3418, 0.5148

# 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.



24.1160, 0.1832, 0.5349



24.1160, 0.2494, 0.1493



24.1160, 0.4294, 0.5612

# Square

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



24.1160, 0.2494, 0.1493



24.1160, 0.6051, 0.3518



24.1160, 0.3010, 0.6346



24.1160, 0.0863, 0.1903



# Rectangle

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



24.1160, 0.2494, 0.1493



24.1160, 0.5174, 0.2476



24.1160, 0.3010, 0.6346



24.1160, 0.1268, 0.3896

# Sweetspot

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



24.1169, 0.2494, 0.1493



68.8950, 0.2990, 0.2793



37.0394, 0.2087, 0.2141



13.8896, 0.2965, 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.



24.1169, 0.2494, 0.1493



17.8768, 0.2329, 0.1202



35.4476, 0.3248, 0.1855



17.8599, 0.3064, 0.3050



6.6610, 0.2099, 0.0930



0.7136, 0.2217, 0.0995



# Inverse Universe

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



31.3340, 0.4225, 0.2557



26.2297, 0.4584, 0.2506



74.5227, 0.3011, 0.5334



18.1264, 0.3221, 0.3181



11.8162, 0.5130, 0.2600

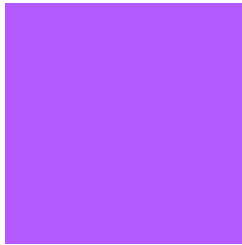


1.1723, 0.4855, 0.2448



# Previews

## White Background



This preview shows how the Yxy color 24.1160, 0.2494, 0.1493 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

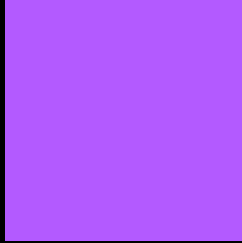
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 24.1160, 0.2494, 0.1493 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

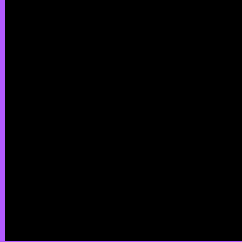
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.1160, 0.2494, 0.1493**

## Background



This preview shows how black text looks on a background with the Yxy color 24.1160, 0.2494, 0.1493.

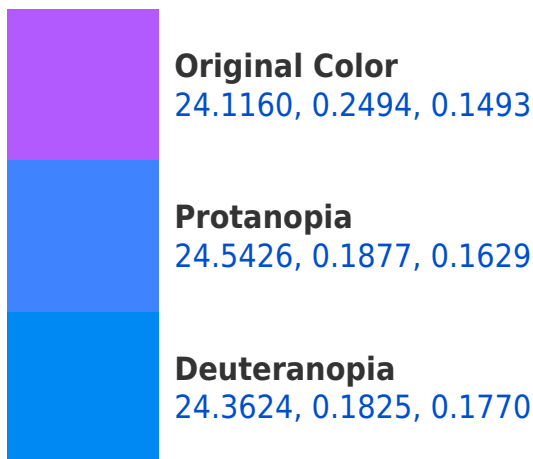


This preview shows how white text looks on a background with the Yxy color 24.1160, 0.2494, 0.1493.

# 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

23.8674, 0.3386, 0.3132

# Trichromacy



## Original Color

24.1160, 0.2494, 0.1493



## Protanomaly

22.7750, 0.2010, 0.1514



## Deuteranomaly

21.2722, 0.1865, 0.1545



## Tritanomaly

23.0643, 0.3011, 0.2350

# Monochromacy



## Original Color

24.1160, 0.2494, 0.1493



## Achromatopsia

24.2281, 0.3127, 0.3290



## Achromatomaly

23.0276, 0.2859, 0.2395

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.1160, 0.2494, 0.1493 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(179, 90, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 90, 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(179, 90, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 90, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 24.1160, 0.2494, 0.1493 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(179, 90, 255) }
```

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

```
.border{ border-color:rgb(179, 90, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 90, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 90, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 90, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 90,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.1160, 0.2494, 0.1493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 90, 255) }
```

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

```
.background{ background-color: rgb(179, 90,  
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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