

# Converting Colors

$Y_{xy}(24.1523, 0.2283, 0.1865)$

Have a look what the booklet for  
Yxy(24.1523, 0.2283, 0.1865)  
contains.

<b>Yxy(24.1476, 0.2282, 0.1865)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	12
<i><b>Previews</b></i>	24
<i><b>Color Blindness Simulation</b></i>	27
<i><b>CSS Examples</b></i>	30

# Color

**Yxy(24.1476, 0.2282, 0.1865)**

# Conversions

Conversions Part 1	
Format	Color
Hex	7E7BE3
RGB	126, 123, 227
RGB Percent	49%, 48%, 89%
CMY	0.5061, 0.5176, 0.1098
CMYK	0.45, 0.46, 0.00, 0.11
HSL	242°, 65%, 69%
HSV	242°, 46%, 89%
XYZ	29.5468, 24.1476, 75.7833
YIQ	135.7530, -31.5960, 32.9800

# Conversions

## Conversions Part 2

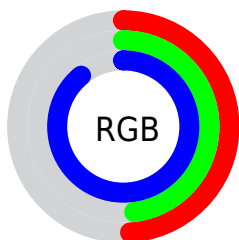
Format	Color
<a href="#">RYB</a>	<a href="#">126, 123, 227</a>
Decimal	<a href="#">8289251</a>
CIELab	<a href="#">56.24, 27.35, -52.70</a>
CIELCh	<a href="#">56, 59.374, 297.429</a>
Yxy	<a href="#">24.1476, 0.2282, 0.1865</a>
Android (android.graphics.Color)	<a href="#">4286479331</a> (0xFF7E7BE3)
YUV	<a href="#">135.7530, 44.9848, -8.5534</a>
Hunter-Lab	<a href="#">49.1402, 21.3324, -57.0380</a>

# Details

The Yxy color `24.1476, 0.2282, 0.1865` is a light color, and the websafe version is hex `6666CC`. A complement of this color would be `72.2345, 0.3781, 0.4419`, and the grayscale version is `24.3591, 0.3127, 0.3290`.

A 20% lighter version of the original color is `47.9472, 0.2620, 0.2374`, and `9.1030, 0.2009, 0.1492` is the 20% darker color. If you saturate the color by 10%, you get `17.6580, 0.2071, 0.1514`, and if you desaturate by 10%, it is `32.3144, 0.2494, 0.2219`.

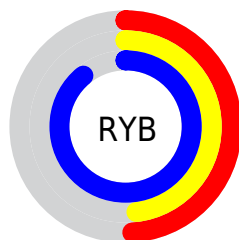
# Distribution



Red (49%)

Green (48%)

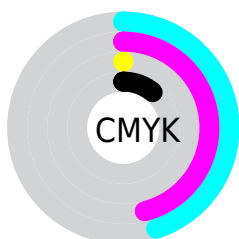
Blue (89%)



Red (49%)

Yellow (48%)

Blue (89%)

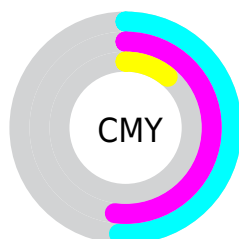


Cyan (45%)

Magenta (46%)

Yellow (0%)

Black (11%)



Cyan (51%)

Magenta (52%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1476, 0.2282, 0.1865 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 24.1476, 0.2282, 0.1865 by changing the saturation by 10% instead.





 24.1476, 0.2282,  
0.1865


 24.1476, 0.2282,  
0.1865


 273.5658, 0.2739,  
0.2568


 15.4431, 0.2162,  
0.1700


 50.2710, 0.2453,  
0.2114


 9.1310, 0.2008,  
0.1498


 68.4586, 0.2516,  
0.2210


 4.8267, 0.1803,  
0.1246


 90.5762, 0.2569,  
0.2292

 2.1460, 0.1526,  
0.0936

 117.0080, 0.2613,  
0.2362

 0.6903, 0.1148,  
0.0558

 148.1385, 0.2652,  
0.2424

 0.0000, 0.0473,  
0.0000


184.3520, 0.2685,


 0.0000, 0.0000,

0.2478


0.0000


226.0330, 0.2713,  
0.2526


 24.1476, 0.2282,  
0.1865


 24.1476, 0.2282,  
0.1865

 17.6580, 0.2071,  
0.1514


 32.3144, 0.2494,  
0.2219


 12.7268, 0.1875,  
0.1191


 42.2609, 0.2695,  
0.2557


 9.2241, 0.1710,  
0.0924

 54.0846, 0.2878,  
0.2867

 6.9975, 0.1591,  
0.0733

 67.8748, 0.3042,  
0.3145

 5.8601, 0.1523,  
0.0629

 83.7156, 0.3185,  
0.3388

■ 5.5878, 0.1507,  
0.0604

■ 98.3266, 0.3292,  
0.3562

# Harmonies

## Analogous

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



24.1476, 0.1706, 0.1842



24.1476, 0.2282, 0.1865



24.1476, 0.3198, 0.2152

# Triad

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



24.1476, 0.2282, 0.1865



24.1476, 0.5082, 0.3988



24.1476, 0.1997, 0.3961

# Complementary

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



24.1476, 0.2282, 0.1865



72.2345, 0.3781, 0.4419

# 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.



24.1476, 0.2797, 0.4977



24.1476, 0.2282, 0.1865



24.1476, 0.4575, 0.4692

# Square

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



24.1476, 0.2282, 0.1865



24.1476, 0.5003, 0.3293



24.1476, 0.3737, 0.5180



24.1476, 0.1548, 0.2841



# Rectangle

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



24.1476, 0.2282, 0.1865



24.1476, 0.3916, 0.2469



24.1476, 0.3737, 0.5180



24.1476, 0.2231, 0.4355

# Sweetspot

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



24.1484, 0.2282, 0.1865



73.3030, 0.2908, 0.2917



63.7590, 0.2512, 0.3266



14.9083, 0.2870, 0.2854



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.



24.1484, 0.2282, 0.1865



23.3251, 0.2080, 0.1530



29.0344, 0.2705, 0.2012



13.9064, 0.2984, 0.3047



3.2669, 0.1509, 0.0605



0.2483, 0.1534, 0.0619



# Inverse Universe

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



35.8891, 0.3207, 0.2203



40.4328, 0.3224, 0.2013



65.2903, 0.3394, 0.4584



14.6079, 0.3142, 0.3065



12.5598, 0.3281, 0.1581

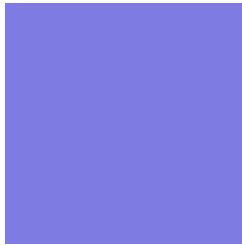


0.9304, 0.3269, 0.1575



# Previews

## White Background



This preview shows how the Yxy color 24.1476, 0.2282, 0.1865 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

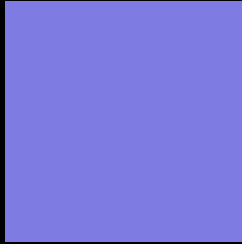
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 24.1476, 0.2282, 0.1865 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

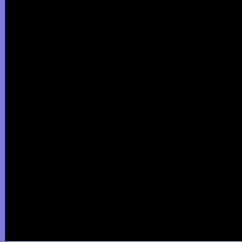
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.1476, 0.2282, 0.1865**

## Background



This preview shows how black text looks on a background with the Yxy color 24.1476, 0.2282, 0.1865.



This preview shows how white text looks on a background with the Yxy color 24.1476, 0.2282, 0.1865.

# 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

24.1476, 0.2282, 0.1865

### Protanopia

24.3055, 0.2036, 0.1823

### Deuteranopia


24.2056, 0.2033, 0.1966






## Tritanopia

24.0547, 0.2688, 0.3093

# Trichromacy

	<b>Original Color</b> 24.1476, 0.2282, 0.1865
	<b>Protanomaly</b> 24.0893, 0.2113, 0.1834
	<b>Deuteranomaly</b> 24.0485, 0.2108, 0.1926
	<b>Tritanomaly</b> 23.8156, 0.2516, 0.2553

# Monochromacy

	<b>Original Color</b> 24.1476, 0.2282, 0.1865
	<b>Achromatopsia</b> 24.6201, 0.3127, 0.3290
	<b>Achromatomaly</b> 24.0027, 0.2765, 0.2677

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.1476, 0.2282, 0.1865 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(126, 123, 227) looks like.

```
.text, #text, p{  
    color:rgb(126, 123, 227)  
}
```

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(126, 123, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 123, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 24.1476, 0.2282, 0.1865 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(126, 123, 227) }
```

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

```
.border{ border-color:rgb(126, 123, 227) }
```

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

Here you see how a box with a 4 pixel rgb(126, 123, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 123, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 123, 227);  
box-shadow:4px 4px 4px 4px rgb(126, 123,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.1476, 0.2282, 0.1865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 123, 227) }
```

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

```
.background{ background-color: rgb(126,  
123, 227) }
```

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