

# Converting Colors

$Y_{xy}(25.1011, 0.2417, 0.1554)$

Have a look what the booklet for  
Yxy(25.1011, 0.2417, 0.1554)  
contains.

<b>Yxy(25.0476, 0.2413, 0.1552)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(25.0476, 0.2413, 0.1552)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A866FF
RGB	168, 102, 255
RGB Percent	66%, 40%, 100%
CMY	0.3414, 0.5999, 0.0000
CMYK	0.34, 0.60, 0.00, 0.00
HSL	266°, 100%, 70%
HSV	266°, 60%, 100%
XYZ	38.9432, 25.0476, 97.3984
YIQ	139.1760, -9.7770, 61.5750

# Conversions

## Conversions Part 2

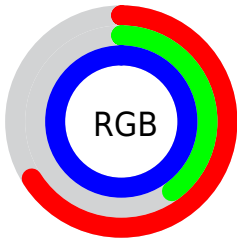
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	168, 102, 255
Decimal	11036415
CIE Lab	57.12, 56.19, -66.63
CIE LCh	57, 87.159, 310.137
Yxy	25.0476, 0.2413, 0.1552
Android (android.graphics.Color)	4289226495 (0xFFA866FF)
YUV	139.1760, 57.1012, 25.2786
Hunter-Lab	50.0476, 51.3118, -80.3519

# Details

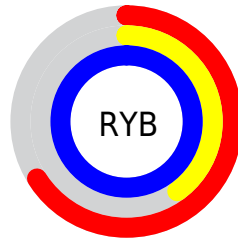
The Yxy color **25.0476, 0.2413, 0.1552** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **83.3080, 0.3521, 0.4958**, and the grayscale version is **25.6695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3278, 0.2942, 0.2260**, and **9.6274, 0.2178, 0.1188** is the 20% darker color. If you saturate the color by 10%, you get **19.2773, 0.2264, 0.1288**, and if you desaturate by 10%, it is **32.5369, 0.2561, 0.1847**.

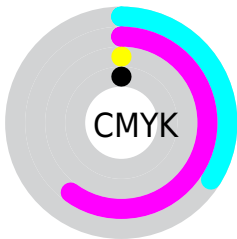
# Distribution



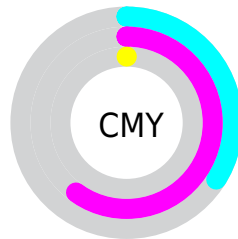
- Red (66%)
- Green (40%)
- Blue (100%)



- Red (66%)
- Yellow (40%)
- Blue (100%)



- Cyan (34%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)




- Cyan (34%)
- Magenta (60%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.0476, 0.2413, 0.1552 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 25.0476, 0.2413, 0.1552 by changing the saturation by 10% instead.




 25.0476, 0.2413,  
0.1552


 25.0476, 0.2413,  
0.1552


278.0749, 0.2811,  
0.2349

 16.1125, 0.2308,  
0.1383


 51.7344, 0.2563,  
0.1820

 9.6038, 0.2173,  
0.1184


 70.2550, 0.2619,  
0.1928

 5.1371, 0.1995,  
0.0950


 92.7395, 0.2664,  
0.2021

 2.3279, 0.1756,  
0.0683

 119.5723, 0.2703,  
0.2103

 0.7884, 0.1432,  
0.0392

151.1379, 0.2736,  
0.2175

 0.0000, 0.1012,  
0.0000

187.8206, 0.2765,


 0.0000, 0.0032,

0.2240

0.0000


230.0048, 0.2790,  
0.2297


 0.0000, 0.0000,  
0.0000

 25.0476, 0.2413,  
0.1552

 25.0476, 0.2413,  
0.1552


 19.2773, 0.2264,  
0.1288


 32.5369, 0.2561,  
0.1847


 15.0732, 0.2120,  
0.1070

 41.8781, 0.2701,  
0.2156


 12.2547, 0.1990,  
0.0910

 53.1915, 0.2829,  
0.2463

 10.5300, 0.1877,  
0.0808

 66.5865, 0.2943,  
0.2759

 10.5284, 0.1877,  
0.0808

 82.1645, 0.3042,  
0.3036

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



25.0476, 0.1509, 0.1377



25.0476, 0.2413, 0.1552



25.0476, 0.3840, 0.2019

# Triad

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



25.0476, 0.2413, 0.1552



25.0476, 0.5432, 0.4365



25.0476, 0.1262, 0.3445

# Complementary

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



25.0476, 0.2413, 0.1552



83.3080, 0.3521, 0.4958

# 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.



25.0476, 0.2056, 0.5340



25.0476, 0.2413, 0.1552



25.0476, 0.4414, 0.5395

# Square

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



25.0476, 0.2413, 0.1552



25.0476, 0.5877, 0.3478



25.0476, 0.3213, 0.6092



25.0476, 0.0980, 0.2103



# Rectangle

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



25.0476, 0.2413, 0.1552



25.0476, 0.4869, 0.2463



25.0476, 0.3213, 0.6092



25.0476, 0.1467, 0.4075

# Sweetspot

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



25.0478, 0.2413, 0.1552



69.5085, 0.2964, 0.2816



47.4220, 0.2208, 0.2481



13.9691, 0.2933, 0.2733



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.



25.0478, 0.2413, 0.1552



18.3116, 0.2234, 0.1240



35.6500, 0.3075, 0.1842



17.7605, 0.3046, 0.3049



5.5855, 0.1894, 0.0817



0.6069, 0.2020, 0.0886



# Inverse Universe

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



34.4453, 0.3899, 0.2433



28.9471, 0.4135, 0.2331



76.1094, 0.3092, 0.5206



18.1603, 0.3205, 0.3156



12.2092, 0.4673, 0.2348

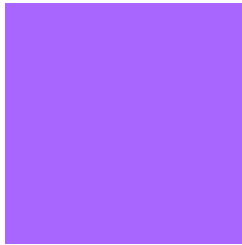


1.2107, 0.4459, 0.2230



# Previews

## White Background



This preview shows how the Yxy color 25.0476, 0.2413, 0.1552 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

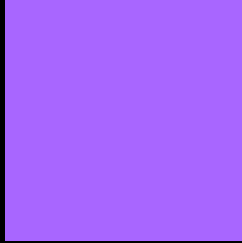
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 25.0476, 0.2413, 0.1552 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

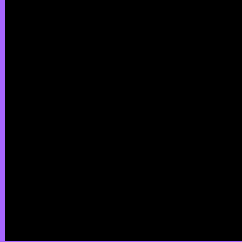
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.0476, 0.2413, 0.1552**

## **Background**



This preview shows how black text looks on a background with the Yxy color 25.0476, 0.2413, 0.1552.



This preview shows how white text looks on a background with the Yxy color 25.0476, 0.2413, 0.1552.

# 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

25.0476, 0.2413, 0.1552

### Protanopia

25.3728, 0.1909, 0.1664

### Deuteranopia

25.2662, 0.1832, 0.1768



## Tritanopia

24.8997, 0.3158, 0.3111

# Trichromacy



## Original Color

25.0476, 0.2413, 0.1552



## Protanomaly

24.2649, 0.2031, 0.1586



## Deuteranomaly

23.0890, 0.1890, 0.1606



## Tritanomaly

24.2498, 0.2846, 0.2385

# Monochromacy



## Original Color

25.0476, 0.2413, 0.1552



## Achromatopsia

25.8183, 0.3127, 0.3290



## Achromatomaly

24.7419, 0.2835, 0.2471

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.0476, 0.2413, 0.1552 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(168, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 102, 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(168, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 102, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 25.0476, 0.2413, 0.1552 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(168, 102, 255) }
```

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

```
.border{ border-color:rgb(168, 102, 255) }
```

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

Here you see how a box with a 4 pixel rgb(168, 102, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 102,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.0476, 0.2413, 0.1552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 102, 255) }
```

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

```
.background{ background-color: rgb(168,  
102, 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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