

# Converting Colors

$Y_{xy}(26.6240, 0.2409, 0.1897)$

Have a look what the booklet for  
Yxy(26.6240, 0.2409, 0.1897)  
contains.

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# Color

**Yxy(26.6044, 0.2410, 0.1900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	927DE8
RGB	146, 125, 232
RGB Percent	57%, 49%, 91%
CMY	0.4275, 0.5097, 0.0903
CMYK	0.37, 0.46, 0.00, 0.09
HSL	252°, 70%, 70%
HSV	252°, 46%, 91%
XYZ	33.7456, 26.6044, 79.6732
YIQ	143.4770, -21.8310, 37.7290

# Conversions

## Conversions Part 2

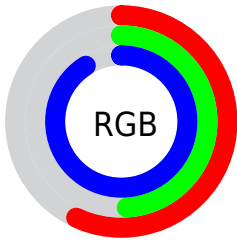
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	146, 125, 232
Decimal	9600488
CIE <sub>Lab</sub>	58.61, 32.47, -51.59
CIE <sub>LCh</sub>	59, 60.960, 302.184
Yxy	26.6044, 0.2410, 0.1900
Android (android.graphics.Color)	4287790568 (0xFF927DE8)
YUV	143.4770, 43.6418, 2.2127
Hunter-Lab	51.5795, 26.5186, -55.4778

# Details

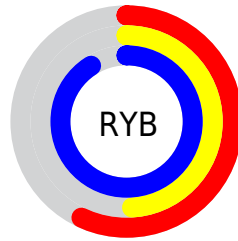
The Yxy color **26.6044, 0.2410, 0.1900** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **73.0239, 0.3649, 0.4485**, and the grayscale version is **27.4976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7573, 0.2766, 0.2443**, and **10.4771, 0.2170, 0.1554** is the 20% darker color. If you saturate the color by 10%, you get **19.8294, 0.2219, 0.1566**, and if you desaturate by 10%, it is **35.0314, 0.2594, 0.2237**.

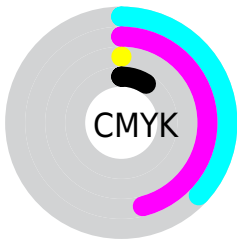
# Distribution



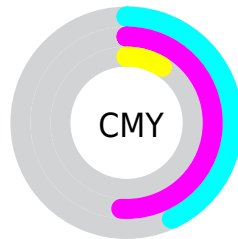
- Red (57%)
- Green (49%)
- Blue (91%)



- Red (57%)
- Yellow (49%)
- Blue (91%)



- Cyan (37%)
- Magenta (46%)
- Yellow (0%)
- Black (9%)



- Cyan (43%)
- Magenta (51%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.6044, 0.2410, 0.1900 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 26.6044, 0.2410, 0.1900 by changing the saturation by 10% instead.





 26.6044, 0.2410,  
0.1900


 26.6044, 0.2410,  
0.1900


285.7366, 0.2799,  
0.2575


 17.2763, 0.2308,  
0.1744


 54.2484, 0.2556,  
0.2137

 10.4317, 0.2175,  
0.1553


 73.3331, 0.2610,  
0.2229

 5.6861, 0.1998,  
0.1316


 96.4389, 0.2654,  
0.2307

 2.6552, 0.1755,  
0.1023

123.9500, 0.2692,  
0.2375

 0.9545, 0.1415,  
0.0668

156.2510, 0.2725,  
0.2435

 0.0000, 0.0949,  
0.0000

193.7261, 0.2753,

 0.0000, 0.0000,

0.2487

0.0000

236.7598, 0.2777,  
0.2533

■ 26.6044, 0.2410,  
0.1900

■ 26.6044, 0.2410,  
0.1900

■ 19.8294, 0.2219,  
0.1566

■ 35.0314, 0.2594,  
0.2237

■ 14.5932, 0.2033,  
0.1257

■ 45.2076, 0.2765,  
0.2562

■ 10.7726, 0.1863,  
0.0995

■ 57.2261, 0.2919,  
0.2864

■ 8.2237, 0.1721,  
0.0799

■ 71.1724, 0.3054,  
0.3137

■ 6.7698, 0.1617,  
0.0679

■ 87.1267, 0.3171,  
0.3382

■ 6.3925, 0.1586,  
0.0647

■ 98.6041, 0.3262,  
0.3513

# Harmonies

## Analogous

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



26.6044, 0.1780, 0.1833



26.6044, 0.2410, 0.1900



26.6044, 0.3366, 0.2224

# Triad

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



26.6044, 0.2410, 0.1900



26.6044, 0.5025, 0.4100



26.6044, 0.1907, 0.3766

# Complementary

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



26.6044, 0.2410, 0.1900



73.0239, 0.3649, 0.4485

# 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.



26.6044, 0.2657, 0.4848



26.6044, 0.2410, 0.1900



26.6044, 0.4452, 0.4787

# Square

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



26.6044, 0.2410, 0.1900



26.6044, 0.5052, 0.3401



26.6044, 0.3589, 0.5196



26.6044, 0.1520, 0.2702



# Rectangle

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



26.6044, 0.2410, 0.1900



26.6044, 0.4078, 0.2560



26.6044, 0.3589, 0.5196



26.6044, 0.2121, 0.4165

# Sweetspot

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



26.6054, 0.2410, 0.1900



74.2564, 0.2948, 0.2922



57.4515, 0.2468, 0.3039



15.1371, 0.2917, 0.2860



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.



26.6054, 0.2410, 0.1900



25.1961, 0.2235, 0.1593



32.5155, 0.2863, 0.2059



14.0224, 0.3011, 0.3049



3.5915, 0.1597, 0.0653



0.3035, 0.1729, 0.0726



# Inverse Universe

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



36.5255, 0.3382, 0.2359



39.0390, 0.3449, 0.2197



66.5333, 0.3271, 0.4648



14.5643, 0.3168, 0.3103



11.5232, 0.3775, 0.1853



0.8639, 0.3677, 0.1799



# Previews

## White Background



This preview shows how the Yxy color 26.6044, 0.2410, 0.1900 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

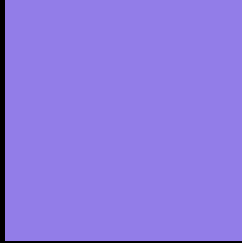
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.6044, 0.2410, 0.1900 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

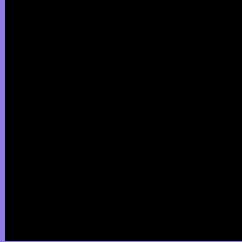
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.6044, 0.2410, 0.1900**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.6044, 0.2410, 0.1900.



This preview shows how white text looks on a background with the Yxy color 26.6044, 0.2410, 0.1900.

# 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

26.6044, 0.2410, 0.1900

### Protanopia

26.8027, 0.2049, 0.1837

### Deuteranopia

26.7259, 0.2097, 0.2034



## Tritanopia

26.6451, 0.2881, 0.3107

## Trichromacy



### Original Color

26.6044, 0.2410, 0.1900

### Protanomaly

26.5770, 0.2156, 0.1853

### Deuteranomaly

26.2363, 0.2189, 0.1973

### Tritanomaly

26.1366, 0.2691, 0.2582

## Monochromacy



### Original Color

26.6044, 0.2410, 0.1900

### Achromatopsia

27.4677, 0.3127, 0.3290

### Achromatomaly

26.6328, 0.2836, 0.2693

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.6044, 0.2410, 0.1900 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(146, 125, 232)` looks like.

```
.text, #text, p{  
    color:rgb(146, 125, 232)  
}
```

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(146, 125, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 125, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 26.6044, 0.2410, 0.1900 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(146, 125, 232) }
```

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

```
.border{ border-color:rgb(146, 125, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 125, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 125, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 125, 232); box-shadow:4px 4px 4px 4px rgb(146, 125, 232) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.6044, 0.2410, 0.1900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 125, 232) }
```

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

```
.background{ background-color: rgb(146,  
125, 232) }
```

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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