

# Converting Colors

$Y_{xy}(16.9526, 0.2552, 0.2008)$

Have a look what the booklet for  
Yxy(16.9526, 0.2552, 0.2008)  
contains.

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# Color

**Yxy(16.8862, 0.2553, 0.2005)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7E64B5
RGB	126, 100, 181
RGB Percent	49%, 39%, 71%
CMY	0.5058, 0.6078, 0.2903
CMYK	0.30, 0.45, 0.00, 0.29
HSL	259°, 35%, 55%
HSV	259°, 45%, 71%
XYZ	21.5015, 16.8862, 45.8328
YIQ	117.0080, -10.5050, 30.7030

# Conversions

## Conversions Part 2

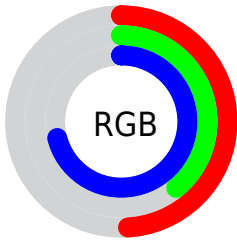
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	126, 100, 181
Decimal	8283317
CIE <sub>Lab</sub>	48.12, 28.30, -39.34
CIE <sub>LCh</sub>	48, 48.461, 305.723
Yxy	16.8862, 0.2553, 0.2005
Android (android.graphics.Color)	4286473397 (0xFF7E64B5)
YUV	117.0080, 31.5481, 7.8860
Hunter-Lab	41.0928, 21.4862, -37.3640

# Details

The Yxy color **16.8862, 0.2553, 0.2005** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **40.9269, 0.3533, 0.4472**, and the grayscale version is **17.6955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0714, 0.2694, 0.2259**, and **5.5606, 0.2308, 0.1606** is the 20% darker color. If you saturate the color by 10%, you get **12.9147, 0.2389, 0.1690**, and if you desaturate by 10%, it is **21.7448, 0.2707, 0.2321**.

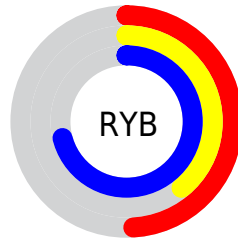
# Distribution



Red (49%)

Green (39%)

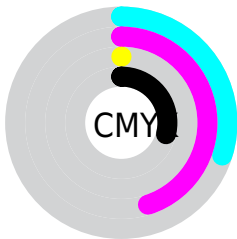
Blue (71%)



Red (49%)

Yellow (39%)

Blue (71%)

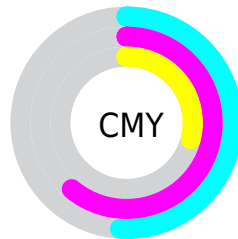


Cyan (30%)

Magenta (45%)

Yellow (0%)

Black (29%)



Cyan (51%)

Magenta (61%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8862, 0.2553, 0.2005 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 16.8862, 0.2553, 0.2005 by changing the saturation by 10% instead.



■ 16.8862, 0.2553,  
0.2005

■ 16.8862, 0.2553,  
0.2005

234.5157, 0.2892,  
0.2685

■ 10.1534, 0.2450,  
0.1829

■ 38.1300, 0.2689,  
0.2258

■ 5.5008, 0.2308,  
0.1602

■ 53.4098, 0.2737,  
0.2352

■ 2.5440, 0.2100,  
0.1303

■ 72.3074, 0.2775,  
0.2430

■ 0.8986, 0.1782,  
0.0910

■ 95.2071, 0.2806,  
0.2497

■ 0.0000, 0.1229,  
0.0000

122.4934, 0.2833,  
0.2554

■ 0.0000, 0.0000,  
0.0000

154.5507, 0.2856,

0.2603

191.7633, 0.2875,  
0.2646

■ 16.8862, 0.2553,  
0.2005

■ 16.8862, 0.2553,  
0.2005

■ 12.9147, 0.2389,  
0.1690

■ 21.7448, 0.2707,  
0.2321

■ 9.7727, 0.2221,  
0.1394

■ 27.5394, 0.2848,  
0.2627

■ 7.3983, 0.2059,  
0.1134

■ 34.3176, 0.2972,  
0.2913

■ 5.7200, 0.1912,  
0.0927

■ 42.1231, 0.3081,  
0.3175

■ 4.6517, 0.1787,  
0.0785

■ 50.9970, 0.3174,  
0.3411

■ 4.2389, 0.1730,  
0.0727

■ 60.9781, 0.3254,  
0.3622

■ 72.1031, 0.3322,  
0.3809

■ 84.4072, 0.3379,  
0.3974

■ 92.7880, 0.3443,  
0.4050

# Harmonies

## Analogous

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



16.8862, 0.1916, 0.1913



16.8862, 0.2553, 0.2005



16.8862, 0.3471, 0.2340

# Triad

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



16.8862, 0.2553, 0.2005



16.8862, 0.4866, 0.4155



16.8862, 0.1929, 0.3607

# Complementary

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



16.8862, 0.2553, 0.2005



40.9269, 0.3533, 0.4472

# 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.



16.8862, 0.2605, 0.4622



16.8862, 0.2553, 0.2005



16.8862, 0.4300, 0.4770

# Square

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



16.8862, 0.2553, 0.2005



16.8862, 0.4945, 0.3490



16.8862, 0.3475, 0.5055



16.8862, 0.1596, 0.2662



# Rectangle

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



16.8862, 0.2553, 0.2005



16.8862, 0.4121, 0.2673



16.8862, 0.3475, 0.5055



16.8862, 0.2119, 0.3969

# Sweetspot

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



16.8868, 0.2553, 0.2005



63.4900, 0.2990, 0.2954



29.6007, 0.2462, 0.2872



13.1034, 0.2965, 0.2895



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.8868, 0.2553, 0.2005



23.0349, 0.2386, 0.1685



20.5721, 0.3004, 0.2157



8.3582, 0.3033, 0.3058



2.9564, 0.1742, 0.0733



0.1252, 0.2075, 0.0917



# Inverse Universe

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



21.3022, 0.3499, 0.2525



32.1926, 0.3618, 0.2367



37.5956, 0.3178, 0.4618



8.5994, 0.3185, 0.3137



7.7689, 0.4209, 0.2092

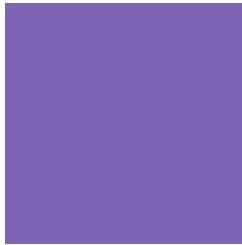


0.2545, 0.3868, 0.1904



# Previews

## White Background



This preview shows how the Yxy color 16.8862, 0.2553, 0.2005 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

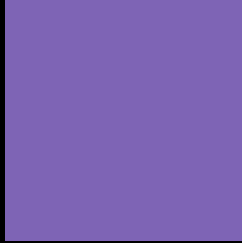
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 16.8862, 0.2553, 0.2005 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

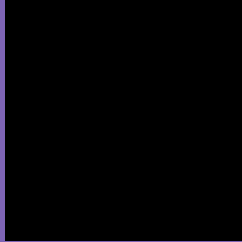
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 16.8862, 0.2553, 0.2005**

## **Background**



This preview shows how black text looks on a background with the Yxy color 16.8862, 0.2553, 0.2005.



This preview shows how white text looks on a background with the Yxy color 16.8862, 0.2553, 0.2005.

# 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

16.8862, 0.2553, 0.2005

### Protanopia

17.1434, 0.2124, 0.1947

### Deuteranopia

16.9983, 0.2210, 0.2154



## Tritanopia

16.7928, 0.3032, 0.3113

# Trichromacy



**Original Color**

16.8862, 0.2553, 0.2005

**Protanomaly**

16.8974, 0.2250, 0.1963

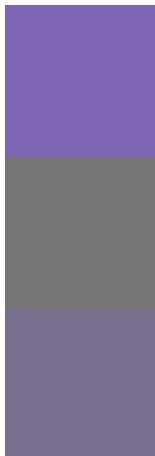
**Deuteranomaly**

16.7333, 0.2312, 0.2087

**Tritanomaly**

16.5598, 0.2842, 0.2645

# Monochromacy



**Original Color**

16.8862, 0.2553, 0.2005

**Achromatopsia**

17.7888, 0.3127, 0.3290

**Achromatomaly**

17.2554, 0.2901, 0.2756

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 16.8862, 0.2553, 0.2005 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, 100, 181)` looks like.

```
.text, #text, p{  
    color:rgb(126, 100, 181)  
}
```

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, 100, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 100, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 16.8862, 0.2553, 0.2005 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, 100, 181) }
```

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

```
.border{ border-color:rgb(126, 100, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 100, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 100, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 100, 181);  
box-shadow:4px 4px 4px 4px rgb(126, 100,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 16.8862, 0.2553, 0.2005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 100, 181) }
```

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

```
.background{ background-color: rgb(126,  
100, 181) }
```

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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