

# Converting Colors

YUV(64.8980, 32.0953, 65.8645)

Have a look what the booklet for  
YUV(64.8980, 32.0953, 65.8645)  
contains.

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# Color

**YUV(64.8980, 32.0953,  
65.8645)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8C0E82
RGB	140, 14, 130
RGB Percent	55%, 5%, 51%
CMY	0.4510, 0.9451, 0.4902
CMYK	0.00, 0.90, 0.07, 0.45
HSL	305°, 82%, 30%
HSV	305°, 90%, 55%
XYZ	15.0015, 7.5012, 21.7763
YIQ	64.8980, 37.8600, 62.7880

# Conversions

## Conversions Part 2

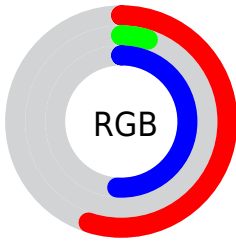
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	140, 14, 130
Decimal	9178754
CIE Lab	32.92, 59.34, -32.61
CIE LCh	33, 67.712, 331.208
Yxy	7.5012, 0.3388, 0.1694
Android (android.graphics.Color)	4287368834 (0xFF8C0E82)
YUV	64.8980, 32.0953, 65.8645
Hunter-Lab	27.3884, 49.8407, -27.9692

# Details

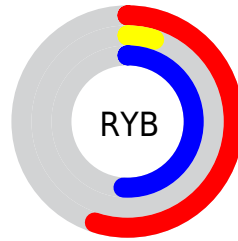
The YUV color **64.8980, 32.0953, 65.8645** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **89.1020, -32.0953, -65.8645**, and the grayscale version is **65.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **126.7250, 27.7436, 61.6312**, and **34.5350, 22.4142, 44.2578** is the 20% darker color. If you saturate the color by 10%, you get **56.5660, 35.7100, 73.1716**, and if you desaturate by 10%, it is **73.2300, 28.4806, 58.5573**.

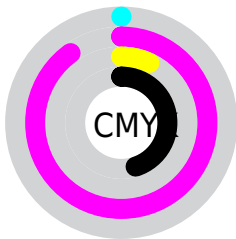
# Distribution



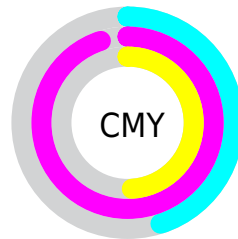
- Red (55%)
- Green (5%)
- Blue (51%)



- Red (55%)
- Yellow (5%)
- Blue (51%)



- Cyan (0%)
- Magenta (90%)
- Yellow (7%)
- Black (45%)



- Cyan (45%)
- Magenta (95%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 64.8980, 32.0953, 65.8645 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 YUV color 64.8980, 32.0953, 65.8645 by changing the saturation by 10% instead.



64.8980, 32.0953,  
65.8645

64.8980, 32.0953,  
65.8645

255.0000, 0.0000,  
0.0000

45.4580, 29.3542,  
58.3573

126.7250, 27.7436,  
61.6312

34.5350, 22.4142,  
44.2578

154.4370, 27.8856,  
62.7608

24.4380, 16.0531,  
31.1879

182.8500, 28.1750,  
63.2756

13.7430, 9.9867,  
16.8884

200.9960, 26.6240,  
47.3615

0.9120, 3.4944,  
-0.7998

217.4320, 18.5210,  
32.9471

0.0000, 0.0000,  
0.0000

234.4550, 10.1287,

18.0180

252.0650, 1.4470,  
2.5740

64.8980, 32.0953,  
65.8645

64.8980, 32.0953,  
65.8645

56.5660, 35.7100,  
73.1716

73.2300, 28.4806,  
58.5573

81.5620, 24.8659,  
51.2501

89.8940, 21.2513,  
43.9430

98.2260, 17.6366,  
36.6358

106.6720, 14.4587,  
29.2287

■ 115.0040, 10.8440,  
21.9215

■ 123.3360, 7.2294,  
14.6143

■ 131.6680, 3.6147,  
7.3072

■ 140.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



75.3340, 47.1633, -7.3089



64.8980, 32.0953, 65.8645



58.2270, 9.7481, 93.6399

# Triad

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



64.8980, 32.0953, 65.8645



72.7180, -35.8500, 18.6643



73.1610, 29.0076, -64.1622

# Complementary

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



64.8980, 32.0953, 65.8645



89.1020, -32.0953, -65.8645

# 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.



66.4180, 5.7099, -58.2486



64.8980, 32.0953, 65.8645



63.3060, -31.2099, -23.0704

# Square

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



64.8980, 32.0953, 65.8645



70.8890, -34.9483, 56.2253



58.4040, -19.9192, -51.2203



75.9600, 47.3477, -66.6169



# Rectangle

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



64.8980, 32.0953, 65.8645



54.2370, -5.5398, 97.1392



58.4040, -19.9192, -51.2203



71.2230, 21.5821, -62.4626

# Sweetspot

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



64.8980, 32.0953, 65.8645



151.7810, 12.4330, 25.6251



30.7560, 53.8573, -7.6790



74.0480, 7.3713, 15.7439



219.0000, 0.0000, 0.0000



92.0000, 0.0000, 0.0000



# Same Dimension

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



64.8980, 32.0953, 65.8645



73.1570, 46.2646, 94.5783



57.9440, 5.4506, 71.9631



64.7770, 1.5889, 3.7036



53.6750, 33.6842, 69.5680



2.0650, 1.4470, 2.5740



# Inverse Universe

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



64.8980, 32.0953, 65.8645



73.1570, 46.2646, 94.5783



96.0560, -5.4506, -71.9631



64.7770, 1.5889, 3.7036



53.6750, 33.6842, 69.5680



2.0650, 1.4470, 2.5740



# Previews

## White Background



This preview shows how the YUV color 64.8980, 32.0953, 65.8645 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 ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

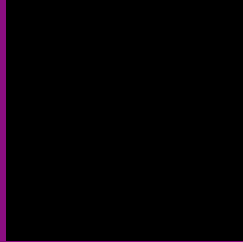
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 64.8980, 32.0953, 65.8645

## Background



This preview shows how black text looks on a background with the YUV color 64.8980, 32.0953, 65.8645.



This preview shows how white text looks on a background with the YUV color 64.8980, 32.0953,



# 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

64.8980, 32.0953, 65.8645

### Protanopia

63.7810, 48.9150, -55.9359

### Deuteranopia

77.6230, 21.8779, -17.2094



## Tritanopia

76.6750, -10.1928, 49.3970

# Trichromacy



## Original Color

64.8980, 32.0953, 65.8645

## Protanomaly

64.1610, 42.8116, -11.5422

## Deuteranomaly

72.8470, 25.7114, 13.2892

## Tritanomaly

72.4320, 5.2100, 55.7491

# Monochromacy



## Original Color

64.8980, 32.0953, 65.8645

## Achromatopsia

65.0000, 0.0000, 0.0000

## Achromatomaly

64.6560, 12.0016, 23.9807

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 64.8980, 32.0953, 65.8645 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(140, 14, 130)` looks like.

```
.text, #text, p{  
    color:rgb(140, 14, 130)  
}
```

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(140, 14, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 14, 130) }
```

## Border

The CSS property to change the border of an element to YUV 64.8980, 32.0953, 65.8645 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(140, 14, 130) }
```



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

```
.border{ border-color:rgb(140, 14, 130) }
```

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

Here you see how a box with a 4 pixel rgb(140, 14, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 14, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 14, 130);  
box-shadow:4px 4px 4px 4px rgb(140, 14,  
130) }
```

# Background

The CSS property to change the background color of an element to YUV 64.8980, 32.0953, 65.8645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 14, 130) }
```

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

```
.background{ background-color: rgb(140, 14,  
130) }
```

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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