

# Converting Colors

YUV(90.7120, 50.4280,  
-27.8114)

Have a look what the booklet for  
YUV(90.7120, 50.4280, -27.8114)  
contains.

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# Color

**YUV(90.7120, 50.4280,  
-27.8114)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3B57C1
RGB	59, 87, 193
RGB Percent	23%, 34%, 76%
CMY	0.7686, 0.6588, 0.2431
CMYK	0.69, 0.55, 0.00, 0.24
HSL	227°, 53%, 49%
HSV	227°, 69%, 76%
XYZ	14.8375, 11.5965, 51.9084
YIQ	90.7120, -50.7140, 27.0300

# Conversions

## Conversions Part 2

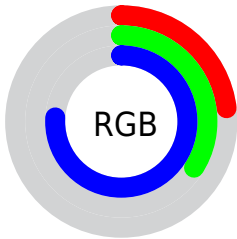
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	59, 82, 193
Decimal	3889089
CIE <sub>Lab</sub>	40.57, 25.40, -58.71
CIE <sub>LCh</sub>	41, 63.967, 293.393
Yxy	11.5965, 0.1894, 0.1480
Android (android.graphics.Color)	4282079169 (0xFF3B57C1)
YUV	90.7120, 50.4280, -27.8114
Hunter-Lab	34.0536, 18.1804, -66.5392

# Details

The YUV color **90.7120, 50.4280, -27.8114** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted blue. A complement of this color would be **161.2880, -50.4280, 27.8114**, and the grayscale version is **90.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **144.8100, 51.8587, -20.0044**, and **40.9730, 47.8343, -35.9333** is the 20% darker color. If you saturate the color by 10%, you get **76.2260, 57.5696, -31.7702**, and if you desaturate by 10%, it is **105.1980, 43.2864, -23.8526**.

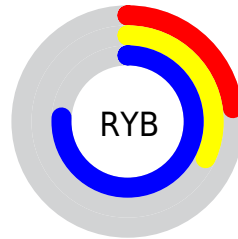
# Distribution



Red (23%)

Green (34%)

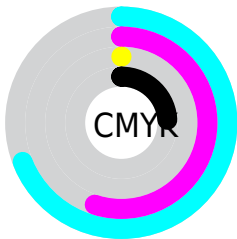
Blue (76%)



Red (23%)

Yellow (32%)

Blue (76%)

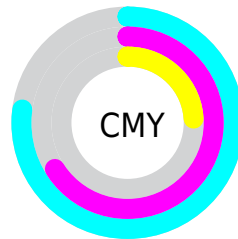


Cyan (69%)

Magenta (55%)

Yellow (0%)

Black (24%)



Cyan (77%)

Magenta (66%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 90.7120, 50.4280, -27.8114 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 90.7120, 50.4280, -27.8114 by changing the saturation by 10% instead.



■ 90.7120, 50.4280,  
-27.8114

■ 90.7120, 50.4280,  
-27.8114

■ 255.0000, 0.0000,  
0.0000

■ 59.6670, 51.9292,  
-42.6810

■ 144.8100, 51.8587,  
-20.0044

■ 40.9730, 47.8343,  
-35.9333

■ 169.9000, 41.9543,  
-16.5753

■ 26.2690, 42.2654,  
-23.0379

■ 194.7190, 29.7185,  
-12.0316

■ 9.9180, 38.0014,  
-8.6981

■ 219.2390, 17.6302,  
-8.1026

■ 10.7040, 25.7819,  
-9.3874

■ 245.5310, 4.6682,  
-3.9737

■ 6.3210, 16.6037,  
-5.5435

■ 2.6390, 7.5730,

-2.3144

■ 0.0000, 0.0000,  
0.0000

■ 90.7120, 50.4280,  
-27.8114

■ 90.7120, 50.4280,  
-27.8114

■ 76.2260, 57.5696,  
-31.7702

■ 105.1980, 43.2864,  
-23.8526

■ 60.8540, 65.1480,  
-35.8290

■ 120.5700, 35.7080,  
-19.7939

■ 46.3680, 72.2896,  
-39.7877

■ 135.0560, 28.5664,  
-15.8351

■ 45.4820, 72.7264,  
-39.8877

■ 149.5420, 21.4248,  
-11.8763

■ 164.3270, 14.1358,  
-7.3028

■ 179.4000, 6.7048,  
-3.8588

■ 193.8860, -0.4368,  
0.1000

■ 208.3720, -7.5784,  
4.0588

■ 223.1570,  
-14.8674, 8.6323

# Harmonies

## Analogous

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



85.1360, 57.1210, -74.6643



90.7120, 50.4280, -27.8114



95.8260, 31.1448, 44.0026

# Triad

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



90.7120, 50.4280, -27.8114



86.8920, -42.8378, 66.7467



78.0270, 1.9587, -68.4297

# Complementary

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



90.7120, 50.4280, -27.8114



161.2880, -50.4280, 27.8114

# 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.



69.1810, -21.7812, -60.6717



90.7120, 50.4280, -27.8114



89.9170, -44.3291, 31.6448

# Square

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



90.7120, 50.4280, -27.8114



81.5860, -11.6279, 89.8171



84.6580, -41.7364, -6.7161



84.7700, 25.2564, -74.3433



# Rectangle

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



90.7120, 50.4280, -27.8114



86.7500, 19.8433, 75.6413



84.6580, -41.7364, -6.7161



75.3880, -5.6143, -66.1153

# Sweetspot

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



90.7120, 50.4280, -27.8114



209.4990, 19.9670, -10.9616



149.6280, 7.0854, -79.4808



101.0560, 11.8044, -6.1881



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

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



90.7120, 50.4280, -27.8114



91.5400, 78.1208, -43.4466



85.6380, 52.9295, 9.9645



89.3140, 3.7892, -2.0294



38.3120, 60.4852, -33.5996



7.8710, 12.3886, -6.9029



# Inverse Universe

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



102.2580, -7.5222, 79.5807



109.2080, -11.4415, 123.4746



166.3620, -52.9295, -9.9645



90.2180, -0.6005, 5.9478



52.0150, -8.8814, 95.5798



10.6650, -1.8068, 19.5878



# Previews

## White Background



This preview shows how the YUV color 90.7120, 50.4280, -27.8114 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 YUV color 90.7120, 50.4280, -27.8114 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](#).

# YUV 90.7120, 50.4280, -27.8114

## Background



This preview shows how black text looks on a background with the YUV color 90.7120, 50.4280, -27.8114.



This preview shows how white text looks on a background with the YUV color 90.7120, 50.4280,



# 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

90.7120, 50.4280, -27.8114

### Protanopia

76.2340, 58.5516, -66.8572

### Deuteranopia

76.2050, 45.7479, -66.8318



## Tritanopia

75.2180, 19.1195, -65.9662

# Trichromacy



## Original Color

90.7120, 50.4280, -27.8114

## Protanomaly

81.2250, 55.5981, -52.8173

## Deuteranomaly

81.1620, 47.7411, -52.7621

## Tritanomaly

80.6940, 30.7169, -52.3516

# Monochromacy



## Original Color

90.7120, 50.4280, -27.8114

## Achromatopsia

91.0000, 0.0000, 0.0000

## Achromatomaly

91.0430, 18.2198, -10.5617

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 90.7120, 50.4280, -27.8114 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(59, 87, 193)` looks like.

```
.text, #text, p{  
    color:rgb(59, 87, 193)  
}
```

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(59, 87, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 87, 193) }
```

## Border

The CSS property to change the border of an element to YUV 90.7120, 50.4280, -27.8114 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(59, 87, 193) }
```



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

```
.border{ border-color:rgb(59, 87, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 87, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 87, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 87, 193);  
box-shadow:4px 4px 4px 4px rgb(59, 87,  
193) }
```

# Background

The CSS property to change the background color of an element to YUV 90.7120, 50.4280, -27.8114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 87, 193) }
```

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

```
.background{ background-color: rgb(59, 87,  
193) }
```

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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