

# Converting Colors

YUV(93.9980, 12.8190,  
-51.7412)

Have a look what the booklet for  
YUV(93.9980, 12.8190, -51.7412)  
contains.

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# Color

**YUV(93.9980, 12.8190,  
-51.7412)**

# Conversions

## Conversions Part 1

Format	Color
Hex	237778
RGB	35, 119, 120
RGB Percent	14%, 47%, 47%
CMY	0.8627, 0.5333, 0.5294
CMYK	0.71, 0.01, 0.00, 0.53
HSL	181°, 55%, 30%
HSV	181°, 71%, 47%
XYZ	10.6801, 14.9070, 20.0837
YIQ	93.9980, -50.3850, -17.4970

# Conversions

## Conversions Part 2

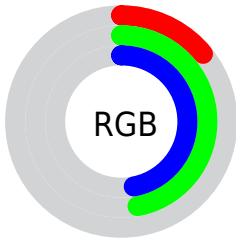
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 77, 120
Decimal	2324344
CIELab	45.51, -23.84, -7.80
CIElCh	46, 25.082, 198.123
Yxy	14.9070, 0.2338, 0.3264
Android (android.graphics.Color)	4280514424 (0xFF237778)
YUV	93.9980, 12.8190, -51.7412
Hunter-Lab	38.6096, -18.1905, -3.8144

# Details

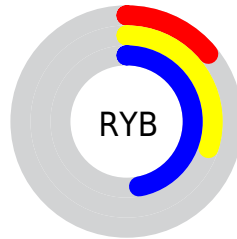
The YUV color **93.9980, 12.8190, -51.7412** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **61.0020, -12.8190, 51.7412**, and the grayscale version is **94.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **148.3790, 11.6452, -48.5674**, and **49.2980, 11.1921, -43.2343** is the 20% darker color. If you saturate the color by 10%, you get **90.4100, 14.5879, -59.1186**, and if you desaturate by 10%, it is **97.5860, 11.0501, -44.3639**.

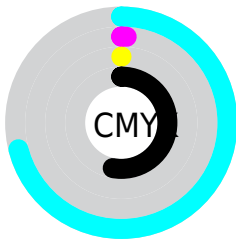
# Distribution



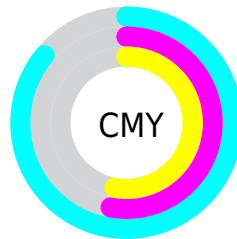
- Red (14%)
- Green (47%)
- Blue (47%)



- Red (14%)
- Yellow (30%)
- Blue (47%)



- Cyan (71%)
- Magenta (1%)
- Yellow (0%)
- Black (53%)



- Cyan (86%)
- Magenta (53%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 93.9980, 12.8190, -51.7412 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 93.9980, 12.8190, -51.7412 by changing the saturation by 10% instead.



93.9980, 12.8190,  
-51.7412

93.9980, 12.8190,  
-51.7412

255.0000, 0.0000,  
0.0000

66.0080, 14.2931,  
-57.8890

148.3790, 11.6452,  
-48.5674

49.2980, 11.1921,  
-43.2343

175.7920, 11.9345,  
-48.0526

33.1750, 7.8017,  
-29.0945

203.7920, 11.9345,  
-48.0526

19.6280, 4.1274,  
-17.2138

231.6780, 11.4977,  
-47.9526

0.0000, 0.0000,  
0.0000

240.3490, 7.2229,  
-30.1241

249.0200, 2.9481,

-12.2955

■ 93.9980, 12.8190,  
-51.7412

■ 93.9980, 12.8190,  
-51.7412

■ 90.4100, 14.5879,  
-59.1186

■ 97.5860, 11.0501,  
-44.3639

■ 86.8220, 16.3568,  
-66.4959

■ 101.1740, 9.2812,  
-36.9866

■ 83.5330, 17.9782,  
-73.2584

■ 104.7620, 7.5123,  
-29.6093

■ 108.9370, 5.4541,  
-22.7467

■ 112.5250, 3.6852,  
-15.3694

■ 116.1130, 1.9163,  
-7.9921

■ 119.7010, 0.1474,  
-0.6148

■ 123.2890, -1.6215,  
6.7625

■ 126.8770, -3.3904,  
14.1399

# Harmonies

## Analogous

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



98.6660, -0.3283, -34.7871



93.9980, 12.8190, -51.7412



94.8760, 21.2601, -52.5113

# Triad

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



93.9980, 12.8190, -51.7412



110.7040, 12.4709, 13.4146



107.2570, -19.8467, 19.0686

# Complementary

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



93.9980, 12.8190, -51.7412



61.0020, -12.8190, 51.7412

# 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.



108.7730, -15.6641, 30.8941



93.9980, 12.8190, -51.7412



110.6860, 3.1128, 28.3394

# Square

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



93.9980, 12.8190, -51.7412



107.6950, 19.3774, -8.5025



109.4990, -6.6550, 34.6424



104.7990, -18.6349, 3.6843



# Rectangle

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



93.9980, 12.8190, -51.7412



99.7080, 22.8220, -40.0859



109.4990, -6.6550, 34.6424



107.5180, -18.9894, 24.1017

# Sweetspot

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



93.9980, 12.8190, -51.7412



145.5460, 5.1538, -19.7728



84.8950, -24.5982, -43.7579



73.0200, 2.9481, -12.2955



207.0000, 0.0000, 0.0000



79.0000, 0.0000, 0.0000



# Same Dimension

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



93.9980, 12.8190, -51.7412



115.0590, 20.1839, -80.7357



69.9310, 24.6840, -30.6345



59.2060, 0.8844, -3.6887



86.4510, 19.0047, -75.8175



174.8910, 38.0147, -153.3794



# Inverse Universe

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



69.9910, 24.1614, 43.8579



77.7010, 37.6154, 68.6682



85.6560, -24.9734, 30.1197



57.4780, 1.7363, 3.0888



51.3970, 35.3003, 64.5498

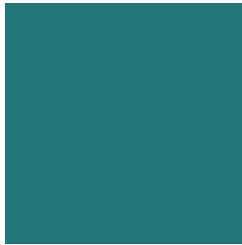


103.7340, 71.6161, 130.0293



# Previews

## White Background



This preview shows how the YUV color 93.9980, 12.8190, -51.7412 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 93.9980, 12.8190, -51.7412 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

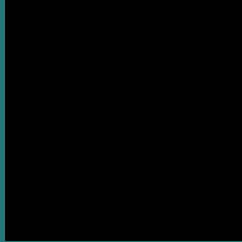
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 93.9980, 12.8190, -51.7412

## Background



This preview shows how black text looks on a background with the YUV color 93.9980, 12.8190, -51.7412.



This preview shows how white text looks on a background with the YUV color 93.9980, 12.8190,



# 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

93.9980, 12.8190, -51.7412

### Protanopia

107.8690, 2.0366, 0.1149

### Deuteranopia

107.9600, 7.4147, 1.7891



## Tritanopia

95.7040, 15.4289, -48.8524

# Trichromacy



## Original Color

93.9980, 12.8190, -51.7412

## Protanomaly

102.4860, 6.1694, -18.8432

## Deuteranomaly

102.7080, 9.5110, -17.2839

## Tritanomaly

94.7640, 14.4133, -49.7820

# Monochromacy



## Original Color

93.9980, 12.8190, -51.7412

## Achromatopsia

94.0000, 0.0000, 0.0000

## Achromatomaly

94.0300, 4.4222, -18.4433

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 93.9980, 12.8190, -51.7412 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(35, 119, 120)` looks like.

```
.text, #text, p{  
    color:rgb(35, 119, 120)  
}
```

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(35, 119, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 119, 120) }
```

## Border

The CSS property to change the border of an element to YUV 93.9980, 12.8190, -51.7412 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(35, 119, 120) }
```



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

```
.border{ border-color:rgb(35, 119, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 119, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 119, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 119, 120);  
box-shadow:4px 4px 4px 4px rgb(35, 119,  
120) }
```

# Background

The CSS property to change the background color of an element to YUV 93.9980, 12.8190, -51.7412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 119, 120) }
```

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

```
.background{ background-color: rgb(35, 119,  
120) }
```

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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