

# Converting Colors

YUV(53.3780, 26.9286, -3.8395)

Have a look what the booklet for  
YUV(53.3780, 26.9286, -3.8395)  
contains.

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# Color

**YUV(53.3780, 26.9286,  
-3.8395)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	312D6C
RGB	49, 45, 108
RGB Percent	19%, 18%, 42%
CMY	0.8078, 0.8235, 0.5765
CMYK	0.55, 0.58, 0.00, 0.58
HSL	244°, 41%, 30%
HSV	244°, 58%, 42%
XYZ	4.9118, 3.6124, 14.6258
YIQ	53.3780, -17.8390, 20.4410

# Conversions

## Conversions Part 2

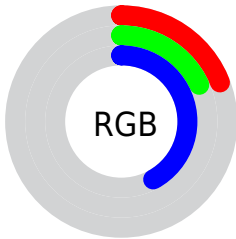
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 45, 108
Decimal	3222892
CIE Lab	22.35, 20.95, -36.31
CIE LCh	22, 41.924, 299.985
Yxy	3.6124, 0.2122, 0.1560
Android (android.graphics.Color)	4281412972 (0xFF312D6C)
YUV	53.3780, 26.9286, -3.8395
Hunter-Lab	19.0064, 12.8680, -32.3200

# Details

The YUV color **53.3780, 26.9286, -3.8395** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **99.6220, -26.9286, 3.8395**, and the grayscale version is **53.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **101.5570, 28.8124, -1.3655**, and **6.8400, 26.2079, -5.9987** is the 20% darker color. If you saturate the color by 10%, you get **43.9310, 31.5860, -4.3245**, and if you desaturate by 10%, it is **62.8250, 22.2713, -3.3545**.

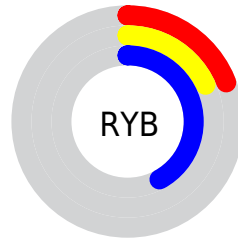
# Distribution



 Red (19%)


 Green (18%)

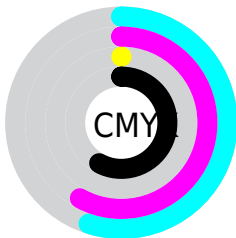
 Blue (42%)




 Red (19%)

 Yellow (18%)

 Blue (42%)

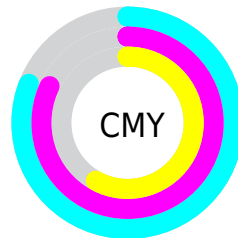


 Cyan (55%)

 Magenta (58%)

 Yellow (0%)

 Black (58%)



 Cyan (81%)

 Magenta (82%)

 Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 53.3780, 26.9286, -3.8395 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 53.3780, 26.9286, -3.8395 by changing the saturation by 10% instead.



■ 53.3780, 26.9286,  
-3.8395

■ 53.3780, 26.9286,  
-3.8395

■ 255.0000, 0.0000,  
0.0000

■ 30.1280, 26.0659,  
-7.1283

■ 101.5570, 28.8124,  
-1.3655

■ 6.8400, 26.2079,  
-5.9987

■ 126.7960, 29.6806,  
0.1789

■ 5.3920, 15.5827,  
-4.7288

■ 153.3230, 30.4068,  
0.5937

■ 2.1830, 5.8258,  
-1.9145

■ 179.9640, 31.5697,  
0.9086

■ 0.0000, 0.0000,  
0.0000

■ 206.0260, 24.1442,  
2.6082

■ 231.1330, 11.7664,

6.0224

252.6520, 1.1576,  
2.0592

53.3780, 26.9286,  
-3.8395

53.3780, 26.9286,  
-3.8395

43.9310, 31.5860,  
-4.3245

62.8250, 22.2713,  
-3.3545

34.4840, 36.2434,  
-4.8095

72.2720, 17.6139,  
-2.8695

25.6240, 40.6114,  
-5.8092

81.1320, 13.2459,  
-1.8698

16.1770, 45.2687,  
-6.2942

90.5790, 8.5886,  
-1.3848

14.4050, 46.1423,  
-6.4942

100.3250, 3.7838,  
-0.2850

■ 109.7720, -0.8736,  
0.2000

■ 119.2190, -5.5310,  
0.6849

■ 128.0790, -9.8989,  
1.6847

■ 137.5260,  
-14.5563, 2.1697

# Harmonies

## Analogous

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



47.2700, 33.8839, -41.4558



53.3780, 26.9286, -3.8395



52.4490, 16.0476, 32.9322

# Triad

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



53.3780, 26.9286, -3.8395



49.8030, -24.5529, 35.2528



45.3710, 3.7611, -39.7904

# Complementary

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



53.3780, 26.9286, -3.8395



99.6220, -26.9286, 3.8395

# 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.



40.4350, -10.0745, -35.4615



53.3780, 26.9286, -3.8395



50.5570, -24.9246, 14.4205

# Square

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



53.3780, 26.9286, -3.8395



47.0450, -11.3612, 50.8265



45.9840, -22.6701, -8.7560



48.9050, 17.3018, -42.8897



# Rectangle

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



53.3780, 26.9286, -3.8395



47.5990, 8.5787, 48.5867



45.9840, -22.6701, -8.7560



43.5300, -0.7543, -38.1758

# Sweetspot

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



53.3780, 26.9286, -3.8395



118.4480, 10.6251, -1.2699



87.4020, 10.1548, -37.1866



58.0090, 6.4046, -0.8849



199.0000, 0.0000, 0.0000



71.0000, 0.0000, 0.0000



# Same Dimension

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



53.3780, 26.9286, -3.8395



54.9660, 41.9218, -6.1092



62.6470, 22.3590, 15.2186



48.9830, 2.4734, 0.0149



15.4310, 50.0735, -7.3940



32.7140, 104.6570, -14.6582



# Inverse Universe

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



70.5630, 16.4844, 32.8322



81.7900, 25.7395, 51.0502



90.3530, -22.3590, -15.2186



50.3640, 1.2995, 3.1888



47.5230, 30.8012, 60.9313



99.3610, 63.9120, 127.7254



# Previews

## White Background



This preview shows how the YUV color 53.3780, 26.9286, -3.8395 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

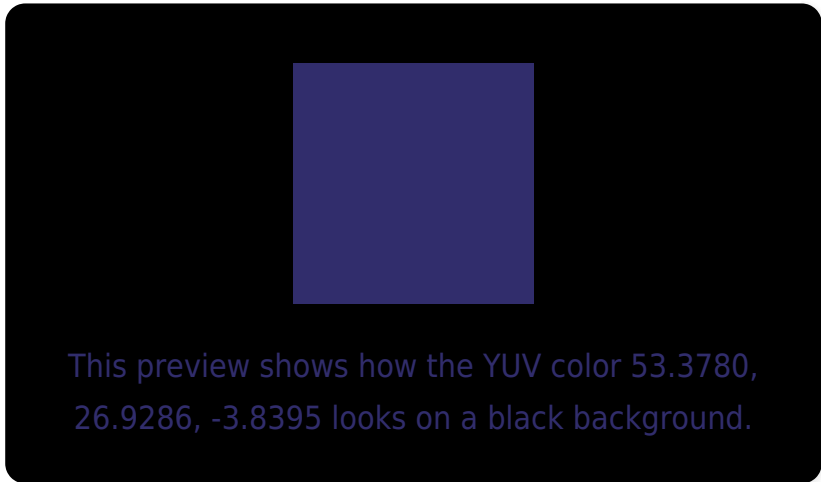
Any Text WCAG AA ✓ Pass

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

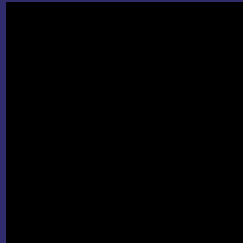
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 53.3780, 26.9286, -3.8395**

## **Background**



This preview shows how black text looks on a background with the YUV color 53.3780, 26.9286, -3.8395.



This preview shows how white text looks on a background with the YUV color 53.3780, 26.9286,

-3.8395.

# 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

53.3780, 26.9286, -3.8395

### Protanopia

43.0640, 32.9994, -37.7671

### Deuteranopia

43.1150, 25.5793, -37.8119



## Tritanopia

50.3940, 5.7218, -15.2545

# Trichromacy



## Original Color

53.3780, 26.9286, -3.8395

## Protanomaly

46.5710, 30.7775, -25.0568

## Deuteranomaly

46.7190, 26.2675, -25.1866

## Tritanomaly

51.7780, 13.4204, -11.2063

# Monochromacy



## Original Color

53.3780, 26.9286, -3.8395

## Achromatopsia

53.0000, 0.0000, 0.0000

## Achromatomaly

53.2200, 9.7515, -1.0699

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 53.3780, 26.9286, -3.8395 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(49, 45, 108)` looks like.

```
.text, #text, p{  
    color:rgb(49, 45, 108)  
}
```

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(49, 45, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 45, 108) }
```

## Border

The CSS property to change the border of an element to YUV 53.3780, 26.9286, -3.8395 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(49, 45, 108) }
```



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

```
.border{ border-color:rgb(49, 45, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 45, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 45, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 45, 108);  
box-shadow:4px 4px 4px 4px rgb(49, 45,  
108) }
```

# Background

The CSS property to change the background color of an element to YUV 53.3780, 26.9286, -3.8395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 45, 108) }
```

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

```
.background{ background-color: rgb(49, 45,  
108) }
```

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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