

# Converting Colors

YUV(47.6890, 18.3943,  
-19.8983)

Have a look what the booklet for  
YUV(47.6890, 18.3943, -19.8983)  
contains.

<b>YUV(47.6890, 18.3943, -19.8983)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(47.6890, 18.3943,  
-19.8983)**

# Conversions

## Conversions Part 1

Format	Color
Hex	193455
RGB	25, 52, 85
RGB Percent	10%, 20%, 33%
CMY	0.9020, 0.7961, 0.6667
CMYK	0.71, 0.39, 0.00, 0.67
HSL	213°, 55%, 22%
HSV	213°, 71%, 33%
XYZ	3.2686, 3.3185, 9.0626
YIQ	47.6890, -26.6850, 4.5390

# Conversions

## Conversions Part 2

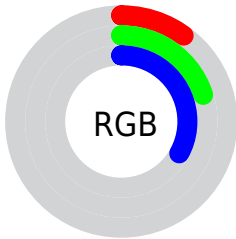
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	25, 44, 85
Decimal	1651797
CIE Lab	21.28, 1.92, -23.05
CIE LCh	21, 23.132, 274.761
Yxy	3.3185, 0.2089, 0.2121
Android (android.graphics.Color)	4279841877 (0xFF193455)
YUV	47.6890, 18.3943, -19.8983
Hunter-Lab	18.2168, 0.1482, -16.7441

# Details

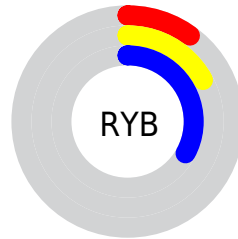
The YUV color **47.6890, 18.3943, -19.8983** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **62.3110, -18.3943, 19.8983**, and the grayscale version is **48.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **95.6400, 19.4045, -17.2243**, and **8.0820, 15.7356, -7.0879** is the 20% darker color. If you saturate the color by 10%, you get **42.0630, 21.1679, -22.8573**, and if you desaturate by 10%, it is **53.0160, 15.7681, -17.5540**.

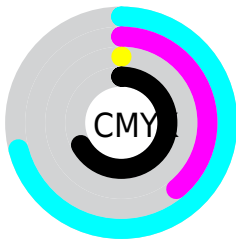
# Distribution



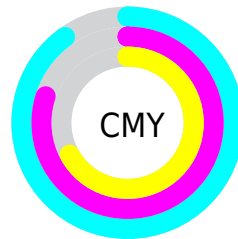
- Red (10%)
- Green (20%)
- Blue (33%)



- Red (10%)
- Yellow (17%)
- Blue (33%)



- Cyan (71%)
- Magenta (39%)
- Yellow (0%)
- Black (67%)



- Cyan (90%)
- Magenta (80%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 47.6890, 18.3943, -19.8983 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 47.6890, 18.3943, -19.8983 by changing the saturation by 10% instead.



■ 47.6890, 18.3943,  
-19.8983

■ 47.6890, 18.3943,  
-19.8983

■ 255.0000, 0.0000,  
0.0000

■ 25.2650, 18.1104,  
-22.1574

■ 95.6400, 19.4045,  
-17.2243

■ 8.0820, 15.7356,  
-7.0879

■ 120.7540, 19.8413,  
-17.3243

■ 2.6390, 7.5730,  
-2.3144

■ 146.8680, 20.2781,  
-17.4242

■ 0.0000, 0.0000,  
0.0000

■ 173.3950, 21.0043,  
-17.0094

■ 201.2100, 21.5885,  
-17.7242

■ 227.1580, 13.7261,

-15.9246

249.9170, 2.5059,  
-10.4512

47.6890, 18.3943,  
-19.8983

47.6890, 18.3943,  
-19.8983

42.0630, 21.1679,  
-22.8573

53.0160, 15.7681,  
-17.5540

37.3230, 23.5048,  
-25.7163

58.0550, 13.2839,  
-14.0802

31.9960, 26.1310,  
-28.0605

63.3820, 10.6577,  
-11.7360

69.0080, 7.8841,  
-8.7770

73.7480, 5.5472,  
-5.9180

■ 79.3740, 2.7736,  
-2.9590

■ 84.7010, 0.1474,  
-0.6148

■ 89.7400, -2.3368,  
2.8590

■ 95.0670, -4.9630,  
5.2032

# Harmonies

## Analogous

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



42.8070, 19.3221, -37.5417



47.6890, 18.3943, -19.8983



52.7520, 12.9403, 2.8485

# Triad

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



47.6890, 18.3943, -19.8983



50.8740, -8.8119, 26.4205



43.5210, -3.7079, -24.1359

# Complementary

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



47.6890, 18.3943, -19.8983



62.3110, -18.3943, 19.8983

# 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.



47.6390, -12.6400, -5.8224



47.6890, 18.3943, -19.8983



50.2230, -14.8999, 19.0984

# Square

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



47.6890, 18.3943, -19.8983



51.2360, -1.1023, 26.9800



49.1030, -16.3198, 7.8027



41.2620, 5.7868, -36.1868



# Rectangle

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



47.6890, 18.3943, -19.8983



52.7920, 8.9765, 14.2144



49.1030, -16.3198, 7.8027



45.3540, -7.0765, -16.9735

# Sweetspot

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



47.6890, 18.3943, -19.8983



95.4920, 7.1524, -7.4475



63.9820, -2.9491, -34.1872



47.1180, 4.3788, -4.4885



184.0000, 0.0000, 0.0000



56.0000, 0.0000, 0.0000



# Same Dimension

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



47.6890, 18.3943, -19.8983



51.3700, 28.9046, -31.0195



32.7370, 25.7657, -4.1543



40.6300, 1.1684, -1.4295



40.3740, 32.8466, -35.4080



89.0120, 71.9721, -78.0635



# Inverse Universe

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



46.0180, 2.9491, 34.1872



48.8940, 4.4893, 53.5900



77.2630, -25.7657, 4.1543



40.4240, 0.2840, 2.2592



37.4650, 5.1938, 60.9822



82.3490, 11.6599, 133.8749



# Previews

## White Background



This preview shows how the YUV color 47.6890, 18.3943, -19.8983 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



This preview shows how the YUV color 47.6890, 18.3943, -19.8983 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

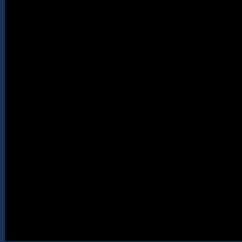
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 47.6890, 18.3943, -19.8983

## Background



This preview shows how black text looks on a background with the YUV color 47.6890, 18.3943, -19.8983.



This preview shows how white text looks on a background with the YUV color 47.6890, 18.3943, -19.8983.

-19.8983.

# 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

47.6890, 18.3943, -19.8983

### Protanopia

50.1740, 16.1832, -10.6766

### Deuteranopia

47.9990, 18.2415, -17.5391



## Tritanopia

40.4130, 10.1494, -35.4422

# Trichromacy



## Original Color

47.6890, 18.3943, -19.8983

## Protanomaly

49.3800, 17.0677, -14.3653

## Deuteranomaly

47.7000, 18.3889, -18.1539

## Tritanomaly

42.9560, 13.3327, -29.7794

# Monochromacy



## Original Color

47.6890, 18.3943, -19.8983

## Achromatopsia

48.0000, 0.0000, 0.0000

## Achromatomaly

47.6770, 6.5682, -6.7327

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 47.6890, 18.3943, -19.8983 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(25, 52, 85)` looks like.

```
.text, #text, p{  
    color:rgb(25, 52, 85)  
}
```

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(25, 52, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 52, 85) }
```

## Border

The CSS property to change the border of an element to YUV 47.6890, 18.3943, -19.8983 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(25, 52, 85) }
```



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

```
.border{ border-color:rgb(25, 52, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 52, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 52, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 52, 85);  
box-shadow:4px 4px 4px 4px rgb(25, 52, 85)  
}
```

# Background

The CSS property to change the background color of an element to YUV 47.6890, 18.3943, -19.8983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 52, 85) }
```

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

```
.background{ background-color: rgb(25, 52,  
85) }
```

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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