

# Converting Colors

YUV(132.9660, 21.2158,  
-85.0392)

Have a look what the booklet for  
YUV(132.9660, 21.2158, -85.0392)  
contains.

<b>YUV(132.9660, 21.2158, -85.0392)</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(132.9660, 21.2158,  
-85.0392)**

# Conversions

## Conversions Part 1

Format	Color
Hex	24AEB0
RGB	36, 174, 176
RGB Percent	14%, 68%, 69%
CMY	0.8588, 0.3176, 0.3098
CMYK	0.80, 0.01, 0.00, 0.31
HSL	181°, 66%, 42%
HSV	181°, 80%, 69%
XYZ	23.7001, 33.7818, 46.3457
YIQ	132.9660, -82.8900, -28.6340

# Conversions

## Conversions Part 2

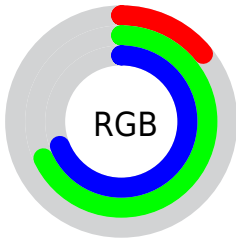
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	36, 105, 176
Decimal	2404016
CIE <sub>Lab</sub>	64.79, -33.52, -11.15
CIE <sub>LCh</sub>	65, 35.328, 198.405
Yxy	33.7818, 0.2283, 0.3254
Android (android.graphics.Color)	4280594096 (0xFF24AEB0)
YUV	132.9660, 21.2158, -85.0392
Hunter-Lab	58.1221, -28.9278, -6.5915

# Details

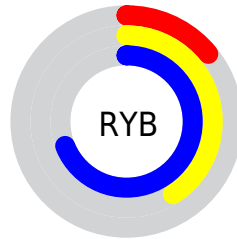
The YUV color **132.9660, 21.2158, -85.0392** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **79.0340, -21.2158, 85.0392**, and the grayscale version is **133.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **193.7500, 18.8573, -75.2027**, and **85.1630, 19.1466, -74.6880** is the 20% darker color. If you saturate the color by 10%, you get **127.5840, 23.8691, -96.1052**, and if you desaturate by 10%, it is **138.3480, 18.5624, -73.9732**.

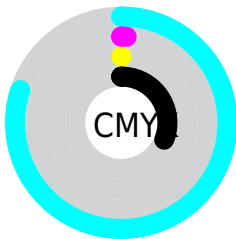
# Distribution



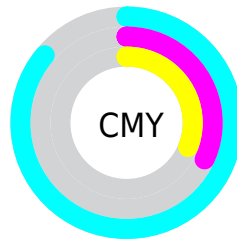
- Red (14%)
- Green (68%)
- Blue (69%)



- Red (14%)
- Yellow (41%)
- Blue (69%)



- Cyan (80%)
- Magenta (1%)
- Yellow (0%)
- Black (31%)



- Cyan (86%)
- Magenta (32%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 132.9660, 21.2158, -85.0392 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 132.9660, 21.2158, -85.0392 by changing the saturation by 10% instead.



■ 132.9660, 21.2158,  
-85.0392

■ 132.9660, 21.2158,  
-85.0392

■ 255.0000, 0.0000,  
0.0000

■ 103.2750, 22.5424,  
-90.5722

■ 193.7500, 18.8573,  
-75.2027

■ 85.1630, 19.1466,  
-74.6880

■ 220.3160, 17.0992,  
-71.3141

■ 67.6380, 15.4615,  
-59.3185

■ 229.2860, 12.6770,  
-52.8708

■ 50.2270, 12.2131,  
-44.0491

■ 238.2560, 8.2548,  
-34.4275

■ 34.1040, 8.8227,  
-29.9092

■ 247.2260, 3.8326,  
-15.9842

■ 18.7960, 6.0166,  
-16.4841

■ 0.5700, 2.1840,

-0.4999

■ 0.0000, 0.0000,  
0.0000

■ 132.9660, 21.2158,  
-85.0392

■ 132.9660, 21.2158,  
-85.0392

■ 127.5840, 23.8691,  
-96.1052

■ 138.3480, 18.5624,  
-73.9732

■ 121.9140, 26.6644,  
-106.0416

■ 144.0180, 15.7671,  
-64.0368

■ 121.6150, 26.8118,  
-106.6564

■ 149.4000, 13.1138,  
-52.9708

■ 154.4830, 10.6079,  
-42.5196

■ 159.8650, 7.9546,  
-31.4536

■ 165.8340, 5.0118,  
-20.9024

■ 170.9170, 2.5059,  
-10.4512

■ 176.2990, -0.1474,  
0.6148

■ 181.3820, -2.6533,  
11.0660

# Harmonies

## Analogous

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



142.3710, 0.3101, -52.9454



132.9660, 21.2158, -85.0392



133.6850, 34.1723, -87.4237

# Triad

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



132.9660, 21.2158, -85.0392



161.3550, 18.5590, 20.7367



155.9780, -30.0622, 28.9603

# Complementary

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



132.9660, 21.2158, -85.0392



79.0340, -21.2158, 85.0392

# 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.



157.9230, -23.1330, 46.5485



132.9660, 21.2158, -85.0392



161.2410, 4.8112, 43.6386

# Square

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



132.9660, 21.2158, -85.0392



157.8930, 29.1398, -13.0612



159.3980, -10.0562, 52.2710



152.6930, -27.9496, 4.6542



# Rectangle

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



132.9660, 21.2158, -85.0392



143.7680, 35.1174, -63.8175



159.3980, -10.0562, 52.2710



156.4780, -28.3367, 35.5378

# Sweetspot

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



132.9660, 21.2158, -85.0392



212.6690, 8.5442, -33.9127



118.1800, -40.5147, -72.0719



104.2470, 5.3012, -20.3876



242.0000, 0.0000, 0.0000



115.0000, 0.0000, 0.0000



# Same Dimension

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



132.9660, 21.2158, -85.0392



162.1710, 33.4397, -132.5770



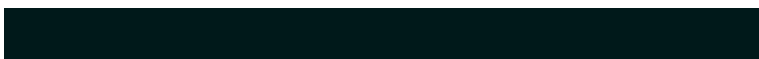
93.0500, 40.8944, -50.0328



86.3090, 1.3267, -5.5330



106.0790, 23.1321, -93.0313



17.6390, 4.1220, -15.4694



# Inverse Universe

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



93.5920, 39.6411, 72.2718



100.9910, 61.6294, 113.1409



118.9500, -40.8943, 50.0329



83.7170, 2.6045, 4.6332



62.9610, 43.4032, 78.9642



10.6240, 7.0874, 13.4848



# Previews

## White Background



This preview shows how the YUV color 132.9660, 21.2158, -85.0392 looks on a white 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



# Black Background



This preview shows how the YUV color 132.9660, 21.2158, -85.0392 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

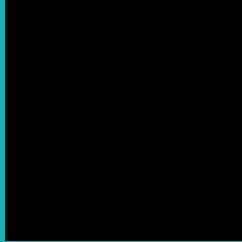
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

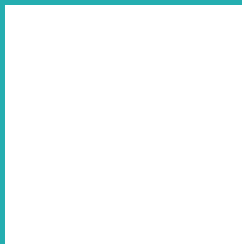
Any Text WCAG AAA ✓ Pass

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

# YUV 132.9660, 21.2158, -85.0392 Background



This preview shows how black text looks on a background with the YUV color 132.9660, 21.2158, -85.0392.



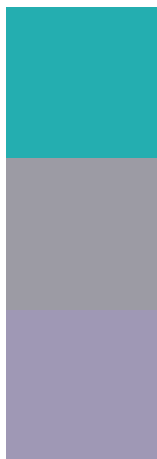
This preview shows how white text looks on a background with the YUV color 132.9660, 21.2158, -85.0392.



# 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

132.9660, 21.2158, -85.0392

### Protanopia

156.3250, 3.7838, -0.2850

### Deuteranopia

157.3990, 11.6353, 1.4041



## Tritanopia

135.6230, 24.8359, -79.4764

# Trichromacy



## Original Color

132.9660, 21.2158, -85.0392

## Protanomaly

147.7340, 9.9911, -31.3387

## Deuteranomaly

148.4120, 15.0799, -30.1793

## Tritanomaly

134.8570, 23.2415, -81.4356

# Monochromacy



## Original Color

132.9660, 21.2158, -85.0392

## Achromatopsia

133.0000, 0.0000, 0.0000

## Achromatomaly

133.1640, 7.8071, -30.8388

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 132.9660, 21.2158, -85.0392 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(36, 174, 176)` looks like.

```
.text, #text, p{  
    color:rgb(36, 174, 176)  
}
```

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(36, 174, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 174, 176) }
```

## Border

The CSS property to change the border of an element to YUV 132.9660, 21.2158, -85.0392 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(36, 174, 176) }
```



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

```
.border{ border-color:rgb(36, 174, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 174, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 174, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 174, 176);  
box-shadow:4px 4px 4px 4px rgb(36, 174,  
176) }
```

# Background

The CSS property to change the background color of an element to YUV 132.9660, 21.2158, -85.0392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 174, 176) }
```

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

```
.background{ background-color: rgb(36, 174,  
176) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor