

# Converting Colors

YUV(196.0990, 12.7692,  
-82.5248)

Have a look what the booklet for  
YUV(196.0990, 12.7692, -82.5248)  
contains.

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# Color

**YUV(196.0990, 12.7692,  
-82.5248)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66EFDE
RGB	102, 239, 222
RGB Percent	40%, 94%, 87%
CMY	0.6000, 0.0627, 0.1294
CMYK	0.57, 0.00, 0.07, 0.06
HSL	173°, 81%, 67%
HSV	173°, 57%, 94%
XYZ	49.5308, 69.8317, 79.9756
YIQ	196.0990, -76.1950, -34.3310

# Conversions

## Conversions Part 2

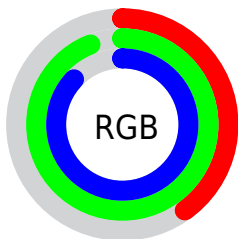
Format	Color
<a href="#">RYB</a>	<a href="#">102, 175, 239</a>
Decimal	<a href="#">6746078</a>
CIELab	<a href="#">86.91, -41.24, -3.01</a>
CIELCh	<a href="#">87, 41.345, 184.180</a>
Yxy	<a href="#">69.8317, 0.2485, 0.3503</a>
Android (android.graphics.Color)	<a href="#">4284936158</a> ( <a href="#">0xFF66EFDE</a> )
YUV	<a href="#">196.0990, 12.7692, -82.5248</a>
Hunter-Lab	<a href="#">83.5654, -40.4390, 1.7527</a>

# Details

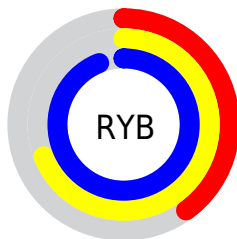
The YUV color **196.0990, 12.7692, -82.5248** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **144.9010, -12.7692, 82.5248**, and the grayscale version is **196.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **227.7910, 13.4140, -55.9447**, and **131.2540, 17.6228, -99.3238** is the 20% darker color. If you saturate the color by 10%, you get **188.5810, 14.9966, -96.9795**, and if you desaturate by 10%, it is **203.6170, 10.5418, -68.0701**.

# Distribution



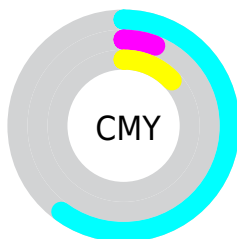
- Red (40%)
- Green (94%)
- Blue (87%)



- Red (40%)
- Yellow (69%)
- Blue (94%)



- Cyan (57%)
- Magenta (0%)
- Yellow (7%)
- Black (6%)



- Cyan (60%)
- Magenta (6%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 196.0990, 12.7692, -82.5248 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 196.0990, 12.7692, -82.5248 by changing the saturation by 10% instead.



196.0990, 12.7692,  
-82.5248

196.0990, 12.7692,  
-82.5248

255.0000, 0.0000,  
0.0000

165.7180, 13.9430,  
-85.6987

227.7910, 13.4140,  
-55.9447

131.2540, 17.6228,  
-99.3238

236.7610, 8.9918,  
-37.5014

107.0590, 16.7329,  
-93.8907

246.0300, 4.4222,  
-18.4433

88.2460, 13.1897,  
-77.3917

70.8350, 9.9413,  
-62.1223

53.4240, 6.6930,  
-46.8528

36.8280, 4.0288,

-32.2982

■ 21.6340, 1.6594,  
-18.9730

■ 0.0000, 0.0000,  
0.0000

■ 196.0990, 12.7692,  
-82.5248

■ 196.0990, 12.7692,  
-82.5248

■ 188.5810, 14.9966,  
-96.9795

■ 203.6170, 10.5418,  
-68.0701

■ 181.0630, 17.2239,  
-111.4343

■ 211.1350, 8.3144,  
-53.6154

■ 173.5450, 19.4513,  
-125.8890

■ 218.6530, 6.0871,  
-39.1607

■ 166.0270, 21.6787,  
-140.3437

■ 226.1710, 3.8597,  
-24.7060

■ 164.1190, 22.1263,  
-143.9324

■ 233.3900, 1.7797,  
-10.8660

■ 240.9080, -0.4476,  
3.5887

■ 244.2400, -0.6113,  
9.4365

■ 244.5820, 0.6991,  
9.1366

■ 244.9240, 2.0095,  
8.8367

# Harmonies

## Analogous

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



204.1300, -10.9101, -47.4720



196.0990, 12.7692, -82.5248



190.3150, 31.8897, -102.0083

# Triad

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



196.0990, 12.7692, -82.5248



218.7620, 17.8653, 9.8557



212.8650, -31.9784, 36.9524

# Complementary

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



196.0990, 12.7692, -82.5248



144.9010, -12.7692, 82.5248

# 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.



208.8990, -16.7122, 40.4306



196.0990, 12.7692, -82.5248



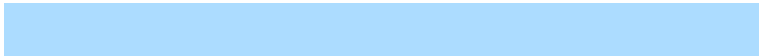
218.3780, 17.0686, 32.1175

# Square

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



196.0990, 12.7692, -82.5248



209.6380, 22.3635, -33.0085



210.9970, 1.4805, 38.5906



214.6860, -37.3132, 21.3234

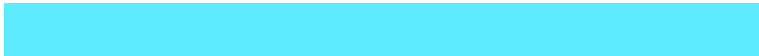


# Rectangle

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



196.0990, 12.7692, -82.5248



193.9360, 30.1046, -89.3979



210.9970, 1.4805, 38.5906



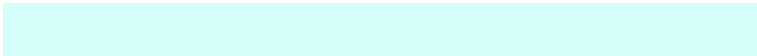
210.7280, -27.4739, 38.8265

# Sweetspot

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



196.0990, 12.7692, -82.5248



241.5730, 4.1545, -25.9355



187.8010, -42.2999, -59.4615



119.7700, 2.0854, -15.5843



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



196.0990, 12.7692, -82.5248



199.8680, 16.3341, -106.0012



168.6870, 34.6643, -58.4845



116.1840, 0.8953, -7.1774



126.3620, 17.0765, -110.8195



38.4580, 5.1972, -33.7277



# Inverse Universe

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



144.9010, -12.7692, 82.5248



134.1320, -16.3341, 106.0012



172.3130, -34.6643, 58.4845



111.7020, -1.3321, 7.2773



57.6380, -17.0765, 110.8195

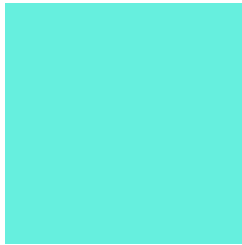


17.5420, -5.1972, 33.7277



# Previews

## White Background



This preview shows how the YUV color 196.0990, 12.7692, -82.5248 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

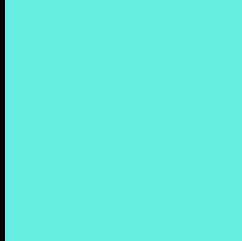
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 196.0990, 12.7692, -82.5248 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 196.0990, 12.7692, -82.5248 Background



This preview shows how black text looks on a background with the YUV color 196.0990, 12.7692, -82.5248.



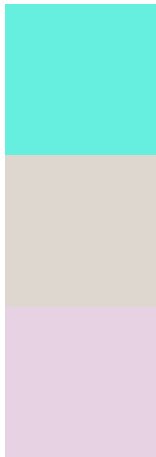
This preview shows how white text looks on a background with the YUV color 196.0990, 12.7692, -82.5248.

-82.5248.

# 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

196.0990, 12.7692, -82.5248

### Protanopia

216.2950, -4.0894, 5.0033

### Deuteranopia

218.3310, 4.7668, 11.1107



## Tritanopia

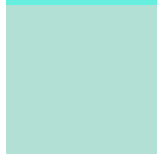
200.2860, 25.9880, -75.6728

# Trichromacy



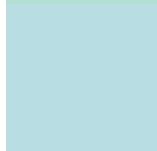
## Original Color

196.0990, 12.7692, -82.5248



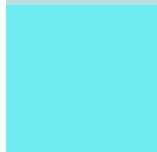
## Protanomaly

208.9920, 1.9759, -27.1800



## Deuteranomaly

210.5070, 7.6380, -23.2466



## Tritanomaly

199.0100, 21.1941, -78.0618

# Monochromacy



## Original Color

196.0990, 12.7692, -82.5248



## Achromatopsia

196.0000, 0.0000, 0.0000



## Achromatomaly

196.2520, 4.3128, -30.0390

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 196.0990, 12.7692, -82.5248 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(102, 239, 222)` looks like.

```
.text, #text, p{  
    color:rgb(102, 239, 222)  
}
```

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(102, 239, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 239, 222) }
```

## Border

The CSS property to change the border of an element to YUV 196.0990, 12.7692, -82.5248 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(102, 239, 222) }
```



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

```
.border{ border-color:rgb(102, 239, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 239, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 239, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 239, 222);  
box-shadow:4px 4px 4px 4px rgb(102, 239,  
222) }
```

# Background

The CSS property to change the background color of an element to YUV 196.0990, 12.7692, -82.5248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 239, 222) }
```

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

```
.background{ background-color: rgb(102,  
239, 222) }
```

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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