

# Converting Colors

YUV(187.2770, 16.1324,  
-87.9429)

Have a look what the booklet for  
YUV(187.2770, 16.1324, -87.9429)  
contains.

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# Color

**YUV(187.2770, 16.1324,  
-87.9429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	57E8DC
RGB	87, 232, 220
RGB Percent	34%, 91%, 86%
CMY	0.6588, 0.0902, 0.1373
CMYK	0.62, 0.00, 0.05, 0.09
HSL	175°, 76%, 63%
HSV	175°, 62%, 91%
XYZ	45.7054, 64.9068, 77.8295
YIQ	187.2770, -82.5680, -34.4720

# Conversions

## Conversions Part 2

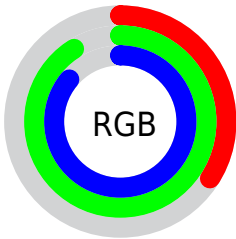
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	87, 163, 232
Decimal	5761244
CIE <sub>Lab</sub>	84.44, -41.19, -5.66
CIE <sub>LCh</sub>	84, 41.576, 187.822
Yxy	64.9068, 0.2425, 0.3444
Android (android.graphics.Color)	4283951324 (0xFF57E8DC)
YUV	187.2770, 16.1324, -87.9429
Hunter-Lab	80.5647, -39.7231, -0.8817




# Details

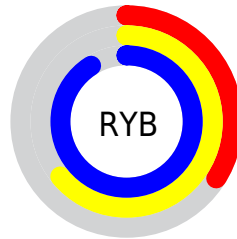
The YUV color **187.2770, 16.1324, -87.9429** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **131.7230, -16.1324, 87.9429**, and the grayscale version is **187.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **223.9040, 15.3303, -63.9368**, and **122.1220, 21.1389, -107.1010** is the 20% darker color. If you saturate the color by 10%, you get **180.1720, 18.6492, -101.8828**, and if you desaturate by 10%, it is **194.3820, 13.6157, -74.0030**.

# Distribution







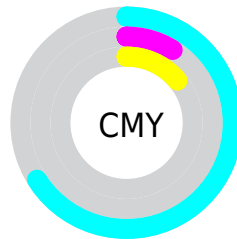
-  Red (34%)
-  Green (91%)
-  Blue (86%)






-  Red (34%)
-  Yellow (64%)
-  Blue (91%)



-  Cyan (62%)
-  Magenta (0%)
-  Yellow (5%)
-  Black (9%)



-  Cyan (66%)
-  Magenta (9%)
-  Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 187.2770, 16.1324, -87.9429 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 187.2770, 16.1324, -87.9429 by changing the saturation by 10% instead.



187.2770, 16.1324,  
-87.9429

187.2770, 16.1324,  
-87.9429

255.0000, 0.0000,  
0.0000

155.9880, 17.7539,  
-94.7055

223.9040, 15.3303,  
-63.9368

122.1220, 21.1389,  
-107.1010

233.1730, 10.7607,  
-44.8787

103.3090, 17.5957,  
-90.6020

242.4420, 6.1911,  
-25.8206

84.4960, 14.0525,  
-74.1030

251.7110, 1.6215,  
-6.7625

67.0850, 10.8041,  
-58.8335

49.7880, 7.9925,  
-43.6641

33.1920, 5.3283,

-29.1094

■ 17.2970, 2.8116,  
-15.1695

■ 0.0000, 0.0000,  
0.0000

■ 187.2770, 16.1324,  
-87.9429

■ 187.2770, 16.1324,  
-87.9429

■ 180.1720, 18.6492,  
-101.8828

■ 194.3820, 13.6157,  
-74.0030

■ 173.0670, 21.1660,  
-115.8228


■ 201.4870, 11.0989,  
-60.0631


■ 165.6630, 23.8301,  
-130.3775


■ 208.8910, 8.4347,  
-45.5084


■ 160.4660, 25.8993,  
-140.7287

■ 215.9960, 5.9180,  
-31.5685

 223.1010, 3.4012,  
-17.6286

 230.2060, 0.8844,  
-3.6887

 237.1970, -2.0691,  
10.3512

 239.2190, -2.0800,  
13.8399

 239.4470, -1.2064,  
13.6400

# Harmonies

## Analogous

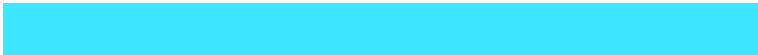
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



196.4930, -8.1310, -52.1754



187.2770, 16.1324, -87.9429



182.6180, 35.6843, -105.7820

# Triad

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



187.2770, 16.1324, -87.9429



213.1800, 20.6173, 13.8741



208.3170, -34.1733, 40.9410

# Complementary

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



187.2770, 16.1324, -87.9429



131.7230, -16.1324, 87.9429

# 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.



204.1230, -19.7806, 44.6191



187.2770, 16.1324, -87.9429



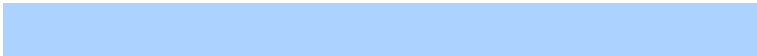
212.3140, 14.1422, 37.4356

# Square

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



187.2770, 16.1324, -87.9429



204.3550, 24.9680, -28.3753



204.9330, -1.4460, 43.9088



207.3650, -37.1549, 17.2199



# Rectangle

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



187.2770, 16.1324, -87.9429



187.7450, 33.1567, -88.3534



204.9330, -1.4460, 43.9088



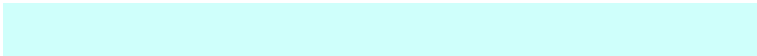
206.7670, -29.9581, 42.3003

# Sweetspot

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



187.2770, 16.1324, -87.9429



240.1920, 5.3283, -29.1094



175.7030, -43.7306, -67.2685



118.6880, 3.1118, -18.1434



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.



187.2770, 16.1324, -87.9429



196.0670, 21.1660, -115.8228



153.4250, 38.7375, -58.2547



111.2980, 1.3321, -7.2773



123.7690, 19.8339, -108.5454



35.2950, 5.7706, -30.9537



# Inverse Universe

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



131.7230, -16.1324, 87.9429



122.9330, -21.1660, 115.8228



165.5750, -38.7375, 58.2547



106.7020, -1.3321, 7.2773



55.2310, -19.8339, 108.5454

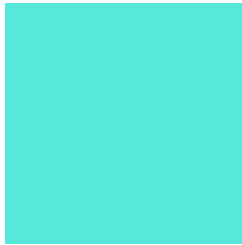


15.7050, -5.7706, 30.9537



# Previews

## White Background



This preview shows how the YUV color 187.2770, 16.1324, -87.9429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

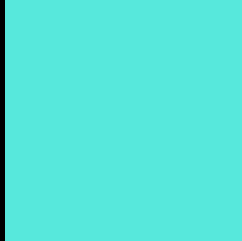
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 187.2770, 16.1324, -87.9429 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

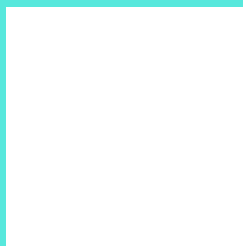
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 187.2770, 16.1324, -87.9429

## Background



This preview shows how black text looks on a background with the YUV color 187.2770, 16.1324, -87.9429.



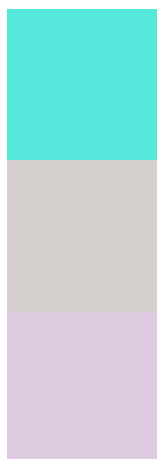
This preview shows how white text looks on a background with the YUV color 187.2770, 16.1324, -87.9429.

-87.9429.

# 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

187.2770, 16.1324, -87.9429

### Protanopia

209.2670, -1.6106, 3.2738

### Deuteranopia

211.3030, 7.2456, 9.3813



## Tritanopia

191.5950, 27.3147, -81.2058

# Trichromacy



## Original Color

187.2770, 16.1324, -87.9429



## Protanomaly

201.3660, 4.7496, -30.1390



## Deuteranomaly

202.8810, 10.4117, -26.2056



## Tritanomaly

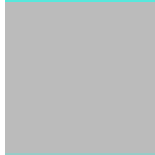
189.8460, 23.2469, -83.1799

# Monochromacy



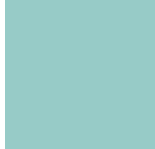
## Original Color

187.2770, 16.1324, -87.9429



## Achromatopsia

187.0000, 0.0000, 0.0000



## Achromatomaly

186.9960, 5.9180, -31.5685

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 187.2770, 16.1324, -87.9429 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(87, 232, 220)` looks like.

```
.text, #text, p{  
    color:rgb(87, 232, 220)  
}
```

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(87, 232, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 232, 220) }
```

## Border

The CSS property to change the border of an element to YUV 187.2770, 16.1324, -87.9429 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(87, 232, 220) }
```



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

```
.border{ border-color:rgb(87, 232, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 232, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 232, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 232, 220);  
box-shadow:4px 4px 4px 4px rgb(87, 232,  
220) }
```

# Background

The CSS property to change the background color of an element to YUV 187.2770, 16.1324, -87.9429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 232, 220) }
```

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

```
.background{ background-color: rgb(87, 232,  
220) }
```

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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