

# Converting Colors

YUV(186.5430, 16.0013,  
-92.5612)

Have a look what the booklet for  
YUV(186.5430, 16.0013, -92.5612)  
contains.

<b>YUV(186.5430, 16.0013, -92.5612)</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(186.5430, 16.0013,  
-92.5612)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51EADB
RGB	81, 234, 219
RGB Percent	32%, 92%, 86%
CMY	0.6824, 0.0824, 0.1412
CMYK	0.65, 0.00, 0.06, 0.08
HSL	174°, 78%, 62%
HSV	174°, 65%, 92%
XYZ	45.6023, 65.7094, 77.2975
YIQ	186.5430, -86.3730, -37.1010

# Conversions

## Conversions Part 2

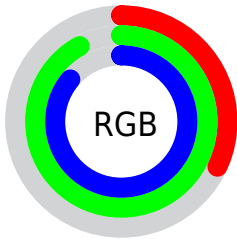
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">81, 161, 234</a>
Decimal	<a href="#">5368539</a>
CIELab	<a href="#">84.85, -43.26, -4.54</a>
CIELCh	<a href="#">85, 43.498, 185.990</a>
Yxy	<a href="#">65.7094, 0.2418, 0.3484</a>
Android (android.graphics.Color)	<a href="#">4283558619 (0xFF51EADB)</a>
YUV	<a href="#">186.5430, 16.0013, -92.5612</a>
Hunter-Lab	<a href="#">81.0614, -41.4394, 0.2059</a>

# Details

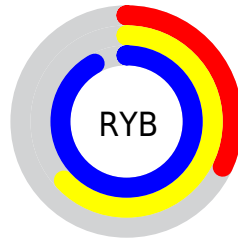
The YUV color **186.5430, 16.0013, -92.5612** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **128.4570, -16.0013, 92.5612**, and the grayscale version is **186.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **222.7080, 15.9200, -66.3959**, and **122.5950, 20.4127, -107.5158** is the 20% darker color. If you saturate the color by 10%, you get **179.4380, 18.5181, -106.5011**, and if you desaturate by 10%, it is **193.6480, 13.4845, -78.6213**.

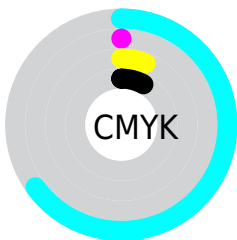
# Distribution



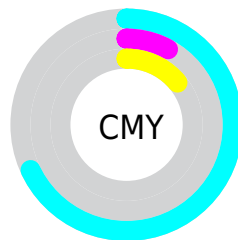
- Red (32%)
- Green (92%)
- Blue (86%)



- Red (32%)
- Yellow (63%)
- Blue (92%)



- Cyan (65%)
- Magenta (0%)
- Yellow (6%)
- Black (8%)



- Cyan (68%)
- Magenta (8%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 186.5430, 16.0013, -92.5612 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 186.5430, 16.0013, -92.5612 by changing the saturation by 10% instead.



186.5430, 16.0013,  
-92.5612

186.5430, 16.0013,  
-92.5612

255.0000, 0.0000,  
0.0000

153.1720, 18.6492,  
-101.8828

222.7080, 15.9200,  
-66.3959

122.5950, 20.4127,  
-107.5158

231.9770, 11.3503,  
-47.3378

103.7820, 16.8695,  
-91.0168

241.2460, 6.7807,  
-28.2797

85.6700, 13.4737,  
-75.1326

250.5150, 2.2111,  
-9.2217

67.5580, 10.0779,  
-59.2484

50.2610, 7.2663,  
-44.0789

34.2520, 4.3128,

-30.0390

■ 17.8840, 2.5222,  
-15.6843

■ 0.0000, 0.0000,  
0.0000

■ 186.5430, 16.0013,  
-92.5612

■ 186.5430, 16.0013,  
-92.5612

■ 179.4380, 18.5181,  
-106.5011

■ 193.6480, 13.4845,  
-78.6213

■ 171.9200, 20.7454,  
-120.9558


■ 201.1660, 11.2572,  
-64.1666


■ 164.8150, 23.2622,  
-134.8958


■ 208.2710, 8.7404,  
-50.2267


■ 161.4120, 24.4469,  
-141.5583

■ 215.6750, 6.0762,  
-35.6720

 222.7800, 3.5595,  
-21.7321

 229.9990, 1.4795,  
-7.8921

 237.4030, -1.1847,  
6.6626

 240.6210, -1.7852,  
12.6104

 240.9630, -0.4748,  
12.3104

# Harmonies

## Analogous

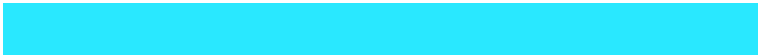
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



196.7380, -9.7308, -52.3902



186.5430, 16.0013, -92.5612



177.5130, 38.2011, -119.7219

# Triad

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



186.5430, 16.0013, -92.5612



213.4680, 20.4753, 12.7446



208.2030, -34.6101, 41.0410

# Complementary

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



186.5430, 16.0013, -92.5612



128.4570, -16.0013, 92.5612

# 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.



203.7640, -18.6177, 44.9340



186.5430, 16.0013, -92.5612



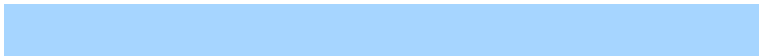
212.8840, 16.3262, 36.9357

# Square

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



186.5430, 16.0013, -92.5612



203.7350, 25.2736, -33.0936



205.2750, -0.1356, 43.6088



208.2190, -39.0550, 19.9789

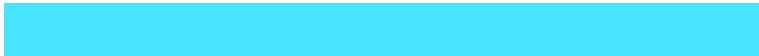


# Rectangle

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



186.5430, 16.0013, -92.5612



184.4340, 34.7890, -98.6046



205.2750, -0.1356, 43.6088



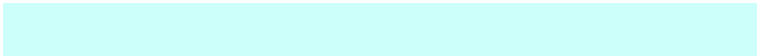
206.0660, -30.1055, 42.9151

# Sweetspot

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



186.5430, 16.0013, -92.5612



239.1810, 5.3338, -30.8537



175.2960, -46.4879, -69.5426



118.3890, 3.2592, -18.7582



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.



186.5430, 16.0013, -92.5612



193.2190, 20.5980, -120.3411



152.4460, 40.2061, -62.6581



113.5970, 1.1847, -6.6626



124.8290, 18.8183, -109.4750



37.1700, 5.3392, -32.5981



# Inverse Universe

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



128.4570, -16.0013, 92.5612



117.7810, -20.5980, 120.3411



162.5540, -40.2061, 62.6581



109.4030, -1.1847, 6.6626



56.1710, -18.8183, 109.4750

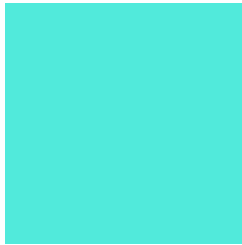


16.7160, -5.7760, 32.6981



# Previews

## White Background



This preview shows how the YUV color 186.5430, 16.0013, -92.5612 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

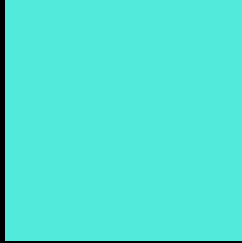
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 186.5430, 16.0013, -92.5612 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

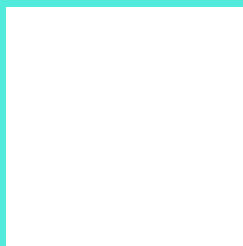
Any Text WCAG AAA ✓ Pass

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

# YUV 186.5430, 16.0013, -92.5612 Background



This preview shows how black text looks on a background with the YUV color 186.5430, 16.0013, -92.5612.



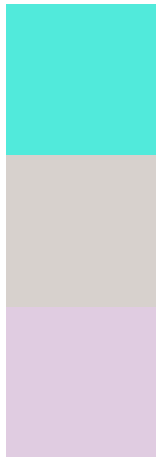
This preview shows how white text looks on a background with the YUV color 186.5430, 16.0013, -92.5612.



# 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

186.5430, 16.0013, -92.5612

### Protanopia

210.3380, -2.6316, 4.0886

### Deuteranopia

212.3740, 6.2246, 10.1960



## Tritanopia

191.6870, 27.7623, -84.7945

# Trichromacy



## Original Color

186.5430, 16.0013, -92.5612



## Protanomaly

201.5400, 4.1708, -31.1686



## Deuteranomaly

203.0550, 9.8329, -27.2352



## Tritanomaly

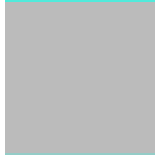
189.5250, 23.4052, -87.2834

# Monochromacy



## Original Color

186.5430, 16.0013, -92.5612



## Achromatopsia

187.0000, 0.0000, 0.0000



## Achromatomaly

186.6860, 6.0708, -33.9276

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 186.5430, 16.0013, -92.5612 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(81, 234, 219)` looks like.

```
.text, #text, p{  
    color:rgb(81, 234, 219)  
}
```

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(81, 234, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 234, 219) }
```

## Border

The CSS property to change the border of an element to YUV 186.5430, 16.0013, -92.5612 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(81, 234, 219) }
```



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

```
.border{ border-color:rgb(81, 234, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 234, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 234, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 234, 219);  
box-shadow:4px 4px 4px 4px rgb(81, 234,  
219) }
```

# Background

The CSS property to change the background color of an element to YUV 186.5430, 16.0013, -92.5612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 234, 219) }
```

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

```
.background{ background-color: rgb(81, 234,  
219) }
```

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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