

# Converting Colors

YUV(158.0980, 31.5037,  
-24.6419)

Have a look what the booklet for  
YUV(158.0980, 31.5037, -24.6419)  
contains.

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# Color

**YUV(158.0980, 31.5037,  
-24.6419)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82A0DE
RGB	130, 160, 222
RGB Percent	51%, 63%, 87%
CMY	0.4902, 0.3725, 0.1294
CMYK	0.41, 0.28, 0.00, 0.13
HSL	220°, 58%, 69%
HSV	220°, 41%, 87%
XYZ	34.9615, 35.1614, 74.0514
YIQ	158.0980, -37.7820, 12.9220

# Conversions

## Conversions Part 2

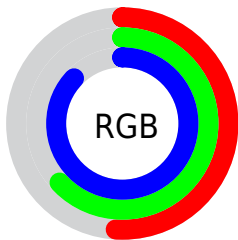
Format	Color
<a href="#">RYB</a>	<a href="#">130, 153, 222</a>
Decimal	<a href="#">8560862</a>
CIELab	<a href="#">65.87, 5.35, -34.72</a>
CIELCh	<a href="#">66, 35.129, 278.752</a>
Yxy	<a href="#">35.1614, 0.2425, 0.2439</a>
Android (android.graphics.Color)	<a href="#">4286750942 (0xFF82A0DE)</a>
YUV	<a href="#">158.0980, 31.5037, -24.6419</a>
Hunter-Lab	<a href="#">59.2970, 1.4739, -32.5347</a>

# Details

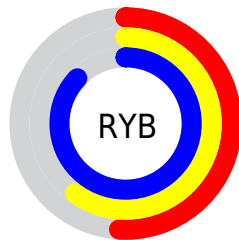
The YUV color **158.0980, 31.5037, -24.6419** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **193.9020, -31.5037, 24.6419**, and the grayscale version is **158.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **210.8890, 21.7467, -21.8277**, and **105.4460, 30.3461, -26.7011** is the 20% darker color. If you saturate the color by 10%, you get **142.7150, 39.0875, -30.4451**, and if you desaturate by 10%, it is **173.4810, 23.9199, -18.8388**.

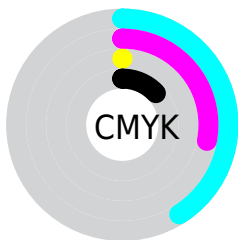
# Distribution



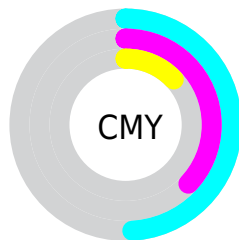
- Red (51%)
- Green (63%)
- Blue (87%)



- Red (51%)
- Yellow (60%)
- Blue (87%)



- Cyan (41%)
- Magenta (28%)
- Yellow (0%)
- Black (13%)



- Cyan (49%)
- Magenta (37%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 158.0980, 31.5037, -24.6419 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 158.0980, 31.5037, -24.6419 by changing the saturation by 10% instead.



■ 158.0980, 31.5037,  
-24.6419

■ 158.0980, 31.5037,  
-24.6419

255.0000, 0.0000,  
0.0000

■ 131.5710, 30.7775,  
-25.0568

■ 210.8890, 21.7467,  
-21.8277

■ 105.4460, 30.3461,  
-26.7011

■ 235.9960, 9.3690,  
-18.4135

■ 79.9080, 29.6254,  
-28.8603

■ 251.7110, 1.6215,  
-6.7625

■ 52.3800, 30.3787,  
-37.1673

■ 33.6260, 27.2994,  
-29.4900

■ 19.2640, 23.0408,  
-16.8945

■ 6.6630, 17.9141,

-5.8435

■ 2.9810, 8.8834,  
-2.6143

■ 0.0000, 0.0000,  
0.0000

■ 158.0980, 31.5037,  
-24.6419

■ 158.0980, 31.5037,  
-24.6419

■ 142.7150, 39.0875,  
-30.4451

■ 173.4810, 23.9199,  
-18.8388

■ 127.3320, 46.6713,  
-36.2482

■ 188.8640, 16.3360,  
-13.0357

■ 111.6500, 54.4025,  
-42.6661

■ 204.5460, 8.6048,  
-6.6178

■ 96.2670, 61.9864,  
-48.4692

■ 219.9290, 1.0210,  
-0.8147

■ 80.8840, 69.5702,  
-54.2723

■ 235.3120, -6.5628,  
4.9884

■ 67.5720, 76.1330,  
-59.2606

■ 248.3030,  
-12.9674, 5.8733

■ 251.2380,  
-14.4143, 3.2993

# Harmonies

## Analogous

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



146.7790, 35.1120, -62.0732



158.0980, 31.5037, -24.6419



163.9130, 22.2279, 10.6003

# Triad

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



158.0980, 31.5037, -24.6419



161.2700, -19.3601, 49.7522



147.8300, -5.8322, -42.8239

# Complementary

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



158.0980, 31.5037, -24.6419



193.9020, -31.5037, 24.6419

# 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.



153.5920, -21.4909, -13.6742



158.0980, 31.5037, -24.6419



159.4780, -28.3367, 35.5378

# Square

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



158.0980, 31.5037, -24.6419



163.2390, -5.5408, 50.6564



156.9930, -29.5765, 13.1611



139.9090, 14.3419, -73.5882



# Rectangle

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



158.0980, 31.5037, -24.6419



164.8570, 13.8745, 29.9434



156.9930, -29.5765, 13.1611



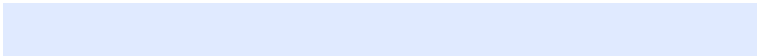
149.9900, -11.8271, -33.3172

# Sweetspot

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



158.0980, 31.5037, -24.6419



233.4040, 10.6468, -8.2473



190.9580, 0.0207, -53.4602



114.9870, 6.4154, -4.3736



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.



158.0980, 31.5037, -24.6419



166.5450, 43.6083, -33.8040



144.9730, 37.9743, 0.0237



104.6020, 3.6472, -3.1590



53.5230, 60.3812, -46.9397



14.8640, 16.3360, -13.0357



# Inverse Universe

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



160.9280, -0.4575, 53.5601



170.6470, -0.8120, 73.9776



207.0270, -37.9743, -0.0237



104.7450, 0.1257, 6.3626



59.1220, -1.0461, 102.5020

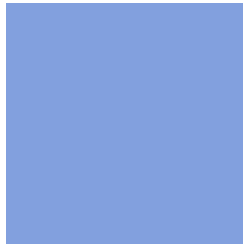


16.1760, -0.0868, 27.9096



# Previews

## White Background



This preview shows how the YUV color 158.0980, 31.5037, -24.6419 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

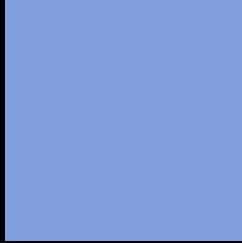
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 158.0980, 31.5037, -24.6419 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

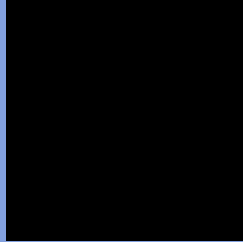
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 158.0980, 31.5037, -24.6419

## Background



This preview shows how black text looks on a background with the YUV color 158.0980, 31.5037, -24.6419.



This preview shows how white text looks on a background with the YUV color 158.0980, 31.5037, -24.6419.

-24.6419.

# 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

158.0980, 31.5037, -24.6419

### Protanopia

159.3980, 29.8768, -16.1350

### Deuteranopia

159.3160, 30.9032, -18.6941



## Tritanopia

154.8310, 12.9013, -31.4238

# Trichromacy



## Original Color

158.0980, 31.5037, -24.6419

## Protanomaly

158.9030, 30.6138, -19.2089

## Deuteranomaly

159.0060, 31.0560, -21.0533

## Tritanomaly

155.9760, 19.7318, -28.9200

# Monochromacy



## Original Color

158.0980, 31.5037, -24.6419

## Achromatopsia

158.0000, 0.0000, 0.0000

## Achromatomaly

158.2190, 11.2310, -8.9621

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 158.0980, 31.5037, -24.6419 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(130, 160, 222)` looks like.

```
.text, #text, p{  
    color:rgb(130, 160, 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(130, 160, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 160, 222) }
```

## Border

The CSS property to change the border of an element to YUV 158.0980, 31.5037, -24.6419 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(130, 160, 222) }
```



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

```
.border{ border-color:rgb(130, 160, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 160, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 160, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 160, 222);  
box-shadow:4px 4px 4px 4px rgb(130, 160,  
222) }
```

# Background

The CSS property to change the background color of an element to YUV 158.0980, 31.5037, -24.6419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 160, 222) }
```

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

```
.background{ background-color: rgb(130,  
160, 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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