

# Converting Colors

YUV(164.1100, 6.3548,  
-31.6685)

Have a look what the booklet for  
YUV(164.1100, 6.3548, -31.6685)  
contains.

<b>YUV(164.1100, 6.3548, -31.6685)</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(164.1100, 6.3548,  
-31.6685)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80B4B1
RGB	128, 180, 177
RGB Percent	50%, 71%, 69%
CMY	0.4980, 0.2941, 0.3059
CMYK	0.29, 0.00, 0.02, 0.29
HSL	177°, 26%, 60%
HSV	177°, 29%, 71%
XYZ	33.1592, 40.4060, 47.6464
YIQ	164.1100, -30.0290, -11.9570

# Conversions

## Conversions Part 2

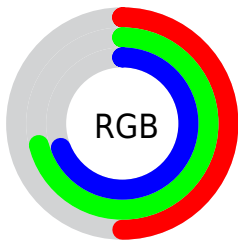
Format	Color
<a href="#">RYB</a>	<a href="#">128, 155, 180</a>
Decimal	<a href="#">8434865</a>
CIELab	<a href="#">69.76, -17.66, -3.98</a>
CIELCh	<a href="#">70, 18.103, 192.707</a>
Yxy	<a href="#">40.4060, 0.2736, 0.3334</a>
Android (android.graphics.Color)	<a href="#">4286624945</a> ( <a href="#">0xFF80B4B1</a> )
YUV	<a href="#">164.1100, 6.3548, -31.6685</a>
Hunter-Lab	<a href="#">63.5657, -18.1253, 0.0545</a>

# Details

The YUV color  $164.1100, 6.3548, -31.6685$  is a light color, and the websafe version is hex  $99CCCC$ . A complement of this color would be  $143.8900, -6.3548, 31.6685$ , and the grayscale version is  $164.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $219.5120, 6.6496, -32.8980$ , and  $111.5230, 6.6442, -31.1537$  is the 20% darker color. If you saturate the color by 10%, you get  $158.6140, 8.5713, -42.6345$ , and if you desaturate by 10%, it is  $169.6060, 4.1382, -20.7025$ .

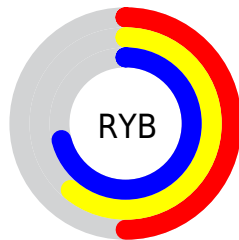
# Distribution



Red (50%)

Green (71%)

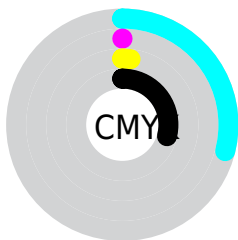
Blue (69%)



Red (50%)

Yellow (61%)

Blue (71%)

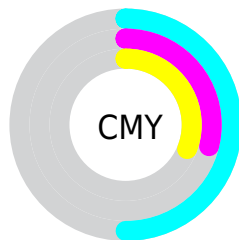


Cyan (29%)

Magenta (0%)

Yellow (2%)

Black (29%)



Cyan (50%)

Magenta (29%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 164.1100, 6.3548, -31.6685 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 164.1100, 6.3548, -31.6685 by changing the saturation by 10% instead.



■ 164.1100, 6.3548,  
-31.6685

■ 164.1100, 6.3548,  
-31.6685

255.0000, 0.0000,  
0.0000

■ 137.4090, 6.2074,  
-31.0537

■ 219.5120, 6.6496,  
-32.8980

■ 111.5230, 6.6442,  
-31.1537

■ 241.5450, 6.6333,  
-27.6650

■ 86.5230, 6.6442,  
-31.1537

■ 250.2160, 2.3585,  
-9.8364

■ 61.9250, 6.9390,  
-32.3832

■ 38.3270, 7.2338,  
-33.6128

■ 23.0190, 4.4276,  
-20.1877

■ 1.0260, 3.9312,

-0.8998

■ 0.0000, 0.0000,  
0.0000

■ 164.1100, 6.3548,  
-31.6685

■ 164.1100, 6.3548,  
-31.6685

■ 158.6140, 8.5713,  
-42.6345

■ 169.6060, 4.1382,  
-20.7025

■ 153.1180, 10.7878,  
-53.6005

■ 175.1020, 1.9217,  
-9.7365

■ 147.6220, 13.0044,  
-64.5665

■ 180.5980, -0.2948,  
1.2296

■ 142.1260, 15.2209,  
-75.5325

■ 186.0940, -2.5113,  
12.1956

■ 136.6300, 17.4374,  
-86.4985

■ 191.5900, -4.7279,  
23.1616

■ 131.1340, 19.6539,  
-97.4645

■ 197.0860, -6.9444,  
34.1276

■ 125.6380, 21.8705,  
-108.4305

■ 202.5820, -9.1609,  
45.0936

■ 125.0400, 22.1653,  
-109.6601

■ 202.9950, -8.8715,  
45.6084

■ 203.1090, -8.4347,  
45.5084

# Harmonies

## Analogous

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



165.1730, -2.5503, -22.0767



164.1100, 6.3548, -31.6685



164.6460, 13.4855, -32.1385

# Triad

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



164.1100, 6.3548, -31.6685



172.9160, 10.8874, 7.9667



170.6960, -15.6261, 18.6836

# Complementary

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



164.1100, 6.3548, -31.6685



143.8900, -6.3548, 31.6685

# 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.



171.8910, -11.2853, 26.4056



164.1100, 6.3548, -31.6685



173.7560, 3.5713, 21.2620

# Square

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



164.1100, 6.3548, -31.6685



170.3700, 15.5936, -8.2175



173.3240, -4.5967, 27.7799



169.3200, -15.4408, 5.8584



# Rectangle

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



164.1100, 6.3548, -31.6685



166.3630, 16.0900, -27.5054



173.3240, -4.5967, 27.7799



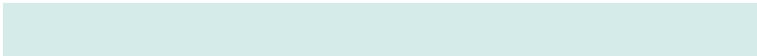
171.0600, -14.3266, 21.8724

# Sweetspot

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



164.1100, 6.3548, -31.6685



228.1940, 2.3694, -13.3251



159.4210, -15.4906, -24.9252



113.1130, 1.9163, -7.9921



245.0000, 0.0000, 0.0000



117.0000, 0.0000, 0.0000



# Same Dimension

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



164.1100, 6.3548, -31.6685



209.6130, 10.0508, -50.5266



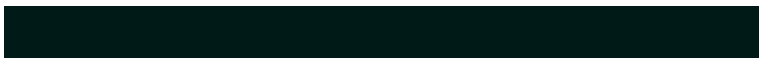
150.9510, 14.3212, -20.1280



86.3090, 1.3267, -5.5330



106.2270, 18.6221, -93.1611



17.9980, 2.9590, -15.7842



# Inverse Universe

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



143.8900, -6.3548, 31.6685



177.3870, -10.0508, 50.5266



157.0490, -14.3212, 20.1280



82.8050, -0.8899, 5.4330



46.7730, -18.6221, 93.1611



7.8880, -3.3958, 15.8842



# Previews

## White Background



This preview shows how the YUV color 164.1100, 6.3548, -31.6685 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

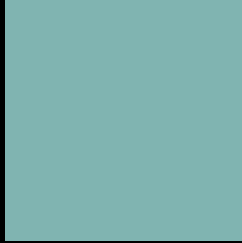
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 164.1100, 6.3548, -31.6685 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

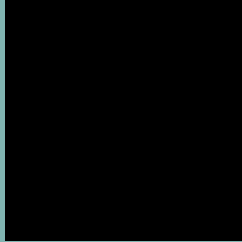
Any Text WCAG AA ✓ Pass

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 164.1100, 6.3548, -31.6685 Background



This preview shows how black text looks on a background with the YUV color 164.1100, 6.3548, -31.6685.



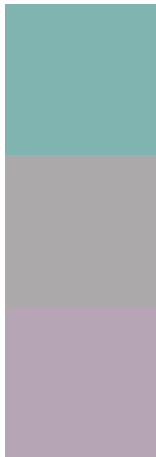
This preview shows how white text looks on a background with the YUV color 164.1100, 6.3548,

-31.6685.

# 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

164.1100, 6.3548, -31.6685

### Protanopia

170.1250, 0.4314, 1.6444

### Deuteranopia

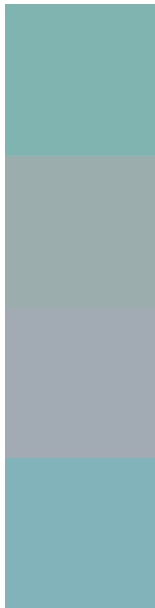
171.7930, 4.0461, 8.9515



## Tritanopia

165.5430, 13.0433, -30.2942

# Trichromacy



## Original Color

164.1100, 6.3548, -31.6685

## Protanomaly

167.9170, 2.5059, -10.4512

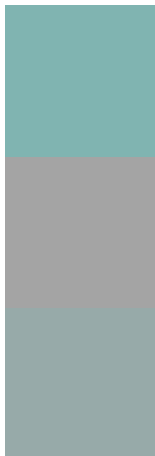
## Deuteranomaly

168.6340, 5.1104, -5.8180

## Tritanomaly

165.2610, 10.7173, -30.9239

# Monochromacy



## Original Color

164.1100, 6.3548, -31.6685

## Achromatopsia

164.0000, 0.0000, 0.0000

## Achromatomaly

164.2050, 2.3639, -11.5808

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 164.1100, 6.3548, -31.6685 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(128, 180, 177)` looks like.

```
.text, #text, p{  
    color:rgb(128, 180, 177)  
}
```

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(128, 180, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 180, 177) }
```

## Border

The CSS property to change the border of an element to YUV 164.1100, 6.3548, -31.6685 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(128, 180, 177) }
```



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

```
.border{ border-color:rgb(128, 180, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 180, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 180, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 180, 177);  
box-shadow:4px 4px 4px 4px rgb(128, 180,  
177) }
```

# Background

The CSS property to change the background color of an element to YUV 164.1100, 6.3548, -31.6685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 180, 177) }
```

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

```
.background{ background-color: rgb(128,  
180, 177) }
```

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