

# Converting Colors

YUV(104.6740, 41.0797,  
-62.8581)

Have a look what the booklet for  
YUV(104.6740, 41.0797, -62.8581)  
contains.

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# Color

**YUV(104.6740, 41.0797,  
-62.8581)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	217DBC
RGB	33, 125, 188
RGB Percent	13%, 49%, 74%
CMY	0.8706, 0.5098, 0.2627
CMYK	0.82, 0.34, 0.00, 0.26
HSL	204°, 70%, 43%
HSV	204°, 82%, 74%
XYZ	17.0379, 18.6214, 50.2732
YIQ	104.6740, -75.0550, 0.0890

# Conversions

## Conversions Part 2

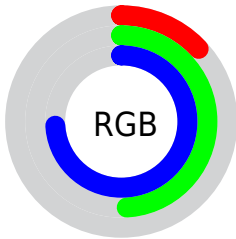
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 91, 188
Decimal	2194876
CIE <sub>Lab</sub>	50.24, -3.60, -40.37
CIE <sub>LCh</sub>	50, 40.532, 264.904
Yxy	18.6214, 0.1983, 0.2167
Android (android.graphics.Color)	4280384956 (0xFF217DBC)
YUV	104.6740, 41.0797, -62.8581
Hunter-Lab	43.1525, -5.0397, -38.8668

# Details

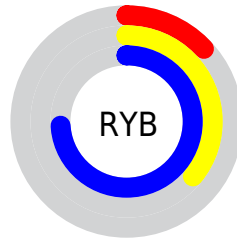
The YUV color **104.6740, 41.0797, -62.8581** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **116.3260, -41.0797, 62.8581**, and the grayscale version is **104.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **162.9250, 40.4630, -51.6772**, and **60.4750, 36.2478, -53.0366** is the 20% darker color. If you saturate the color by 10%, you get **94.2970, 46.1956, -70.4205**, and if you desaturate by 10%, it is **115.0510, 35.9639, -55.2957**.

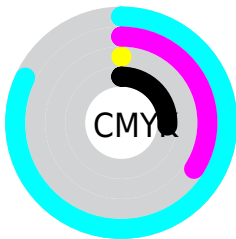
# Distribution



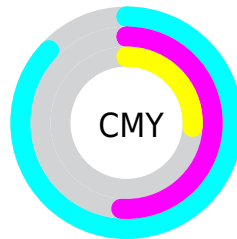
- Red (13%)
- Green (49%)
- Blue (74%)



- Red (13%)
- Yellow (36%)
- Blue (74%)



- Cyan (82%)
- Magenta (34%)
- Yellow (0%)
- Black (26%)



- Cyan (87%)
- Magenta (51%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 104.6740, 41.0797, -62.8581 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 104.6740, 41.0797, -62.8581 by changing the saturation by 10% instead.



■ 104.6740, 41.0797,  
-62.8581

■ 104.6740, 41.0797,  
-62.8581

255.0000, 0.0000,  
0.0000

■ 77.0540, 41.3854,  
-67.5764

■ 162.9250, 40.4630,  
-51.6772

■ 60.4750, 36.2478,  
-53.0366

■ 189.4710, 32.3058,  
-48.6481

■ 44.1240, 31.9839,  
-38.6967

■ 214.8770, 19.7806,  
-44.6191

■ 28.9470, 27.1411,  
-25.3865

■ 236.7610, 8.9918,  
-37.5014

■ 11.6500, 24.3296,  
-10.2171

■ 245.7310, 4.5696,  
-19.0581

■ 5.5060, 16.0195,  
-4.8288

254.7010, 0.1474,

■ 2.2970, 6.2626,

-0.6148

-2.0145

■ 0.0000, 0.0000,  
0.0000

■ 104.6740, 41.0797,  
-62.8581

■ 104.6740, 41.0797,  
-62.8581

■ 94.2970, 46.1956,  
-70.4205

■ 115.0510, 35.9639,  
-55.2957

■ 87.1760, 49.7062,  
-76.4534

■ 124.8410, 31.1374,  
-47.2186

■ 134.9190, 26.1689,  
-40.2710

■ 145.2960, 21.0531,  
-32.7086

■ 155.0860, 16.2266,  
-24.6314

■ 165.4630, 11.1107,  
-17.0691

■ 175.2530, 6.2843,  
-8.9919

■ 185.3310, 1.3158,  
-2.0443

■ 195.7080, -3.8000,  
5.5181

# Harmonies

## Analogous

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



98.0210, 37.9506, -85.9644



104.6740, 41.0797, -62.8581



120.5670, 30.2865, -7.5133

# Triad

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



104.6740, 41.0797, -62.8581



119.2090, -13.4140, 55.9447



107.5940, -14.5898, -33.8469

# Complementary

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



104.6740, 41.0797, -62.8581



116.3260, -41.0797, 62.8581

# 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.



113.3070, -29.2384, -2.0232



104.6740, 41.0797, -62.8581



118.5870, -26.9114, 45.0892

# Square

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



104.6740, 41.0797, -62.8581



121.7150, 2.6055, 51.1159



117.0330, -33.5403, 24.5271



93.1870, 9.2748, -81.7250



# Rectangle

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



104.6740, 41.0797, -62.8581



123.3700, 22.4956, 18.0925



117.0330, -33.5403, 24.5271



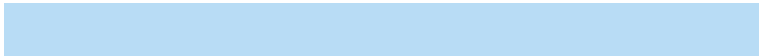
109.8790, -20.1533, -22.6959

# Sweetspot

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



104.6740, 41.0797, -62.8581



212.0860, 16.2266, -24.6314



131.0530, -17.7741, -85.9925



102.4310, 9.6475, -14.4100



250.0000, 0.0000, 0.0000



122.0000, 0.0000, 0.0000



# Same Dimension

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



104.6740, 41.0797, -62.8581



114.2300, 64.4696, -98.4257



59.4750, 63.3628, -23.2186



89.5480, 2.1948, -3.9886



73.1900, 41.8113, -64.1876



14.1000, 8.3317, -12.3657



# Inverse Universe

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



89.8330, 17.3373, 86.0925



91.0730, 27.0790, 134.9940



161.5250, -63.3628, 23.2186



88.3750, 1.2941, 4.9331



57.9580, 17.7687, 87.7368



11.3210, 3.2927, 17.2585



# Previews

## White Background



This preview shows how the YUV color 104.6740, 41.0797, -62.8581 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 104.6740, 41.0797, -62.8581 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

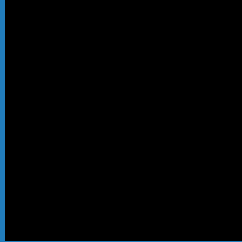
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 104.6740, 41.0797, -62.8581 Background



This preview shows how black text looks on a background with the YUV color 104.6740, 41.0797, -62.8581.



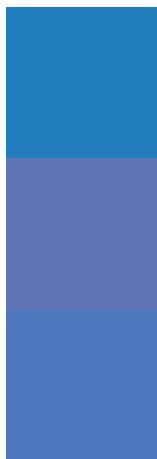
This preview shows how white text looks on a background with the YUV color 104.6740, 41.0797, -62.8581.



# 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

104.6740, 41.0797, -62.8581

### Protanopia

118.0170, 31.0506, -19.3089

### Deuteranopia

115.0200, 36.4721, -31.5895



## Tritanopia

93.6720, 23.8257, -82.1503

# Trichromacy



## Original Color

104.6740, 41.0797, -62.8581

## Protanomaly

113.2430, 34.8832, -35.2931

## Deuteranomaly

111.1110, 38.3993, -43.0703

## Tritanomaly

97.4370, 30.3506, -74.9282

# Monochromacy



## Original Color

104.6740, 41.0797, -62.8581

## Achromatopsia

105.0000, 0.0000, 0.0000

## Achromatomaly

104.7550, 14.9108, -22.5871

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 104.6740, 41.0797, -62.8581 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(33, 125, 188)` looks like.

```
.text, #text, p{  
    color:rgb(33, 125, 188)  
}
```

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(33, 125, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 125, 188) }
```

## Border

The CSS property to change the border of an element to YUV 104.6740, 41.0797, -62.8581 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(33, 125, 188) }
```



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

```
.border{ border-color:rgb(33, 125, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 125, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 125, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 125, 188);  
box-shadow:4px 4px 4px 4px rgb(33, 125,  
188) }
```

# Background

The CSS property to change the background color of an element to YUV 104.6740, 41.0797, -62.8581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 125, 188) }
```

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

```
.background{ background-color: rgb(33, 125,  
188) }
```

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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