

Converting Colors

YUV(77.8910, 21.7457,
-68.3104)

Have a look what the booklet for
YUV(77.8910, 21.7457, -68.3104)
contains.

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Color

**YUV(77.8910, 21.7457,
-68.3104)**

Conversions

Conversions Part 1

Format	Color
Hex	006D7A
RGB	0, 109, 122
RGB Percent	0%, 43%, 48%
CMY	1.0000, 0.5725, 0.5216
CMYK	1.00, 0.11, 0.00, 0.52
HSL	186°, 100%, 24%
HSV	186°, 100%, 48%
XYZ	8.9815, 12.3424, 20.3213
YIQ	77.8910, -69.1370, -19.0650

Conversions

Conversions Part 2

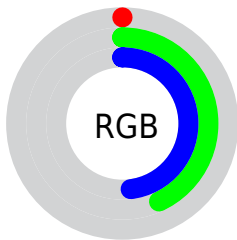
Format	Color
RYB	0, 58, 122
Decimal	28026
CIELab	41.76, -21.20, -14.72
CIELCh	42, 25.811, 214.762
Yxy	12.3424, 0.2157, 0.2964
Android (android.graphics.Color)	4278218106 (0xFF006D7A)
YUV	77.8910, 21.7457, -68.3104
Hunter-Lab	35.1318, -15.8468, -9.7029

Details

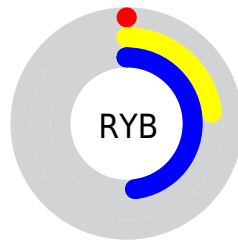
The YUV color **77.8910, 21.7457, -68.3104** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **44.1090, -21.7457, 68.3104**, and the grayscale version is **78.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **137.6650, 17.9132, -52.3262**, and **44.1290, 14.2334, -38.7011** is the 20% darker color. If you saturate the color by 10%, you get **77.8910, 21.7457, -68.3104**, and if you desaturate by 10%, it is **82.0660, 19.6875, -61.4479**.

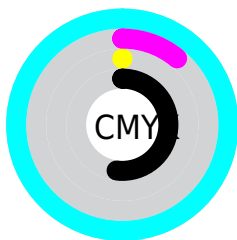
Distribution



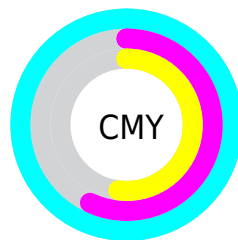
- Red (0%)
- Green (43%)
- Blue (48%)



- Red (0%)
- Yellow (23%)
- Blue (48%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (52%)



- Cyan (100%)
- Magenta (57%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the YUV color 77.8910, 21.7457, -68.3104 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 77.8910, 21.7457, -68.3104 by changing the saturation by 10% instead.

■ 77.8910, 21.7457,
-68.3104

■ 77.8910, 21.7457,
-68.3104

■ 255.0000, 0.0000,
0.0000

■ 60.3660, 18.0606,
-52.9410

■ 137.6650, 17.9132,
-52.3262

■ 44.1290, 14.2334,
-38.7011

■ 165.0780, 18.2025,
-51.8114

■ 28.7070, 10.9904,
-25.1760

■ 193.3770, 18.0551,
-51.1966

■ 11.0510, 9.3419,
-9.6917

■ 221.0350, 16.7447,
-50.8967

■ 0.1140, 0.4368,
-0.1000

■ 236.1630, 9.2866,
-38.7310

■ 0.0000, 0.0000,
0.0000

■ 244.8340, 5.0118,

-20.9024

253.8040, 0.5896,
-2.4591

77.8910, 21.7457,
-68.3104

82.0660, 19.6875,
-61.4479

86.8280, 17.3398,
-55.1002

91.3020, 15.1341,
-47.6229

95.4770, 13.0758,
-40.7603

99.6520, 11.0176,
-33.8978

■ 104.4140, 8.6699,
-27.5501

■ 108.5890, 6.6116,
-20.6876

■ 113.0630, 4.4059,
-13.2103

■ 117.8250, 2.0583,
-6.8625

Harmonies

Analogous

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



85.0540, 7.8614, -48.2824



77.8910, 21.7457, -68.3104



87.8920, 23.7172, -47.2633

Triad

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



77.8910, 21.7457, -68.3104



101.5050, 7.6390, 23.2361



96.5010, -19.9670, 10.9616

Complementary

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



77.8910, 21.7457, -68.3104



44.1090, -21.7457, 68.3104

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.



98.3440, -18.4106, 25.1313



77.8910, 21.7457, -68.3104



100.6390, -2.2870, 33.6426

Square

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



77.8910, 21.7457, -68.3104



100.5610, 15.9924, 3.8930



99.1200, -11.8912, 34.0978



94.2430, -15.4028, -6.3521

Rectangle

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



77.8910, 21.7457, -68.3104



94.0730, 22.6420, -29.0050



99.1200, -11.8912, 34.0978



97.4200, -20.4201, 16.2947

Sweetspot

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



77.8910, 21.7457, -68.3104



141.0120, 8.3751, -26.3205



72.9820, -30.0641, -64.0052



68.8670, 4.9956, -15.6694



207.0000, 0.0000, 0.0000



79.0000, 0.0000, 0.0000

Same Dimension

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



77.8910, 21.7457, -68.3104



100.7790, 28.2100, -88.3832



42.6710, 39.1092, -37.4225



59.2060, 0.8844, -3.6887



79.9940, 22.1880, -70.1547



161.3900, 44.6707, -141.5390

Inverse Universe

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



48.9040, 29.6273, 64.1052



63.3160, 38.2982, 83.0379



79.3290, -39.1092, 37.4225



57.4780, 1.7363, 3.0888



50.1430, 30.4955, 65.6496



101.1120, 61.5698, 132.3288

Previews

White Background



This preview shows how the YUV color 77.8910, 21.7457, -68.3104 looks on a white 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

Black Background



This preview shows how the YUV color 77.8910, 21.7457, -68.3104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

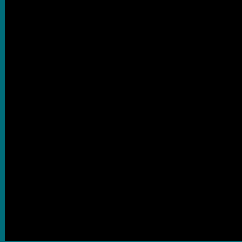
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 77.8910, 21.7457, -68.3104

Background



This preview shows how black text looks on a background with the YUV color 77.8910, 21.7457, -68.3104.



This preview shows how white text looks on a background with the YUV color 77.8910, 21.7457, -68.3104.

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

77.8910, 21.7457, -68.3104

Protanopia

98.9270, 7.4310, -3.4440

Deuteranopia

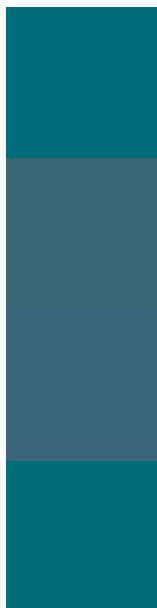
99.2950, 12.6726, -4.6437



Tritanopia

77.4350, 19.9985, -67.9105

Trichromacy



Original Color

77.8910, 21.7457, -68.3104

Protanomaly

91.1520, 12.7431, -27.3203

Deuteranomaly

91.3630, 16.0900, -27.5054

Tritanomaly

77.5490, 20.4353, -68.0105

Monochromacy



Original Color

77.8910, 21.7457, -68.3104

Achromatopsia

78.0000, 0.0000, 0.0000

Achromatomaly

77.9090, 7.9329, -24.4762

CSS Examples

Text

The CSS property to change the color of the text to YUV 77.8910, 21.7457, -68.3104 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(0, 109, 122)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 122)  
}
```

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(0, 109, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 122) }
```

Border

The CSS property to change the border of an element to YUV 77.8910, 21.7457, -68.3104 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(0, 109, 122) }
```


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

```
.border{ border-color:rgb(0, 109, 122) }
```

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

Here you see how a box with a 4 pixel rgb(0, 109, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 122);  
box-shadow:4px 4px 4px 4px rgb(0, 109,  
122) }
```

Background

The CSS property to change the background color of an element to YUV 77.8910, 21.7457, -68.3104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 122) }
```

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

```
.background{ background-color: rgb(0, 109,  
122) }
```

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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