

Converting Colors

YUV(30.7680, 48.9214,
-11.1975)

Have a look what the booklet for
YUV(30.7680, 48.9214, -11.1975)
contains.

YUV(30.7680, 48.9214, -11.1975)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**YUV(30.7680, 48.9214,
-11.1975)**

Conversions

Conversions Part 1

Format	Color
Hex	121282
RGB	18, 18, 130
RGB Percent	7%, 7%, 51%
CMY	0.9294, 0.9294, 0.4902
CMYK	0.86, 0.86, 0.00, 0.49
HSL	240°, 76%, 29%
HSV	240°, 86%, 51%
XYZ	4.4950, 2.1729, 21.3016
YIQ	30.7680, -35.9520, 34.8320

Conversions

Conversions Part 2

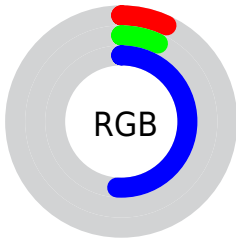
Format	Color
R_{YB}	18, 18, 130
Decimal	1184386
CIE _{Lab}	16.37, 41.29, -60.29
CIE _{LCh}	16, 73.077, 304.404
Yxy	2.1729, 0.1607, 0.0777
Android (android.graphics.Color)	4279374466 (0xFF121282)
YUV	30.7680, 48.9214, -11.1975
Hunter-Lab	14.7408, 28.6349, -75.3600

Details

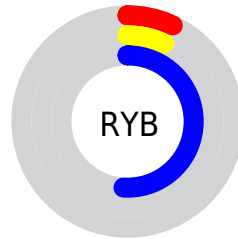
The YUV color **30.7680, 48.9214, -11.1975** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **117.2320, -48.9214, 11.1975**, and the grayscale version is **30.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **84.5570, 49.0254, 2.1425**, and **9.0060, 34.5070, -7.8983** is the 20% darker color. If you saturate the color by 10%, you get **19.2500, 54.5998, -12.4972**, and if you desaturate by 10%, it is **42.2860, 43.2430, -9.8978**.

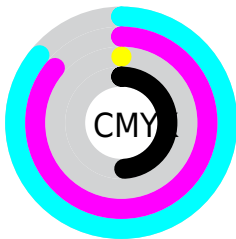
Distribution



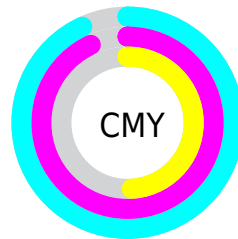
- Red (7%)
- Green (7%)
- Blue (51%)



- Red (7%)
- Yellow (7%)
- Blue (51%)



- Cyan (86%)
- Magenta (86%)
- Yellow (0%)
- Black (49%)



- Cyan (93%)
- Magenta (93%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the YUV color 30.7680, 48.9214, -11.1975 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 30.7680, 48.9214, -11.1975 by changing the saturation by 10% instead.

■ 30.7680, 48.9214,
-11.1975

■ 30.7680, 48.9214,
-11.1975

■ 252.0650, 1.4470,
2.5740

■ 11.8560, 45.4270,
-10.3977

■ 84.5570, 49.0254,
2.1425

■ 9.0060, 34.5070,
-7.8983

■ 110.5080, 50.0356,
4.8165

■ 9.2050, 22.5769,
-8.0728

■ 137.1600, 51.1931,
6.8757

■ 4.9360, 13.8356,
-4.3289

■ 162.6890, 45.5093,
9.9197

■ 0.6840, 2.6208,
-0.5999

■ 187.2090, 33.4210,
13.8487

■ 0.0000, 0.0000,
0.0000

■ 212.6150, 20.8958,

17.8776

235.6290, 9.5499,
16.9884

30.7680, 48.9214,
-11.1975

30.7680, 48.9214,
-11.1975

19.2500, 54.5998,
-12.4972

42.2860, 43.2430,
-9.8978

14.8200, 56.7837,
-12.9971

53.8040, 37.5646,
-8.5981

65.3220, 31.8863,
-7.2984

76.8400, 26.2079,
-5.9987

88.3580, 20.5295,
-4.6990

■ 99.8760, 14.8511,
-3.3993

■ 111.3940, 9.1728,
-2.0995

■ 122.9120, 3.4944,
-0.7998

■ 134.4300, -2.1840,
0.4999

Harmonies

Analogous

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



45.8630, 51.3395, -40.2219



30.7680, 48.9214, -11.1975



40.7150, 22.8185, 54.6239

Triad

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



30.7680, 48.9214, -11.1975



33.0460, -16.2917, 45.5637



39.4040, 3.7448, -34.5573

Complementary

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



30.7680, 48.9214, -11.1975



117.2320, -48.9214, 11.1975

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.



32.8720, -16.2059, -28.8287



30.7680, 48.9214, -11.1975



38.1090, -18.7877, 6.0434

Square

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



30.7680, 48.9214, -11.1975



33.4880, -16.5096, 68.8550



30.5240, -15.0483, -26.7695



46.0330, 26.6057, -40.3709

Rectangle

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



30.7680, 48.9214, -11.1975



41.6230, 5.6089, 67.8596



30.5240, -15.0483, -26.7695



36.7650, -3.8281, -32.2429

Sweetspot

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



30.7680, 48.9214, -11.1975



129.9020, 18.7823, -4.2991



96.5120, 16.5096, -68.8550



60.9640, 11.3567, -2.5994



212.0000, 0.0000, 0.0000



84.0000, 0.0000, 0.0000

Same Dimension

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



30.7680, 48.9214, -11.1975



19.1520, 73.3821, -16.7963



47.5120, 40.6666, 23.2300



57.7980, 3.0576, -0.6998



14.5920, 55.9101, -12.7972



0.0000, 0.0000, 0.0000

Inverse Universe

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



64.2560, 32.4118, 57.6575



69.3840, 48.6177, 86.4862



100.4880, -40.6666, -23.2300



59.8910, 2.0257, 3.6036



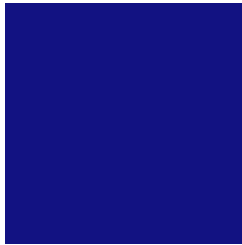
52.8640, 37.0420, 65.8943



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YUV color 30.7680, 48.9214, -11.1975 looks on a white background.

Color Contrast Check

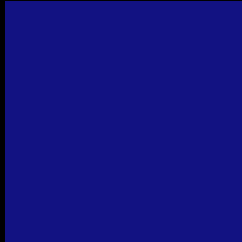
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the YUV color 30.7680, 48.9214, -11.1975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

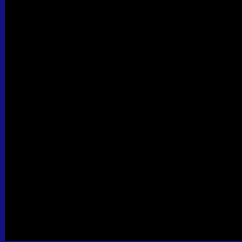
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 30.7680, 48.9214, -11.1975

Background



This preview shows how black text looks on a background with the YUV color 30.7680, 48.9214, -11.1975.



This preview shows how white text looks on a background with the YUV color 30.7680, 48.9214,

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

30.7680, 48.9214, -11.1975

Protanopia

33.7570, 25.2628, -29.6049

Tritanopia

33.1750, 7.8017, -29.0945

Trichromacy



Original Color

30.7680, 48.9214, -11.1975

Protanomaly

32.9780, 33.5348, -22.7827

Tritanomaly

32.1170, 22.6203, -22.0276

Monochromacy



Original Color

30.7680, 48.9214, -11.1975

Achromatopsia

31.0000, 0.0000, 0.0000

Achromatomaly

30.6740, 17.9087, -4.0991

CSS Examples

Text

The CSS property to change the color of the text to YUV 30.7680, 48.9214, -11.1975 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(18, 18, 130)` looks like.

```
.text, #text, p{  
    color:rgb(18, 18, 130)  
}
```

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(18, 18, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 18, 130) }
```

Border

The CSS property to change the border of an element to YUV 30.7680, 48.9214, -11.1975 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(18, 18, 130) }
```

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

```
.border{ border-color:rgb(18, 18, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 18, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 18, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 18, 130);  
box-shadow:4px 4px 4px 4px rgb(18, 18,  
130) }
```


Background

The CSS property to change the background color of an element to YUV 30.7680, 48.9214, -11.1975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 18, 130) }
```

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

```
.background{ background-color: rgb(18, 18,  
130) }
```

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