

Converting Colors

YUV(46.9520, -17.2313,
20.2131)

Have a look what the booklet for
YUV(46.9520, -17.2313, 20.2131)
contains.

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Color

**YUV(46.9520, -17.2313,
20.2131)**

Conversions

Conversions Part 1

Format	Color
Hex	462A0C
RGB	70, 42, 12
RGB Percent	27%, 16%, 5%
CMY	0.7255, 0.8353, 0.9529
CMYK	0.00, 0.40, 0.83, 0.73
HSL	31°, 71%, 16%
HSV	31°, 83%, 27%
XYZ	3.4201, 2.9846, 0.7436
YIQ	46.9520, 26.3180, -3.3940

Conversions

Conversions Part 2

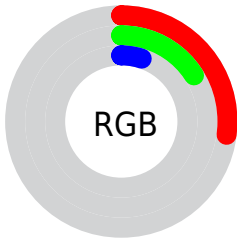
Format	Color
RYB	66, 70, 12
Decimal	4598284
CIELab	19.98, 9.98, 23.82
CIELCh	20, 25.820, 67.271
Yxy	2.9846, 0.4784, 0.4175
Android (android.graphics.Color)	4282788364 (0xFF462A0C)
YUV	46.9520, -17.2313, 20.2131
Hunter-Lab	17.2759, 5.1049, 9.5410

Details

The YUV color **46.9520, -17.2313, 20.2131** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **35.0480, 17.2313, -20.2131**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **93.6320, -18.5526, 24.0017**, and **6.5780, -3.2430, 13.5251** is the 20% darker color. If you saturate the color by 10%, you get **44.3930, -19.4207, 22.4573**, and if you desaturate by 10%, it is **49.5110, -15.0419, 17.9689**.

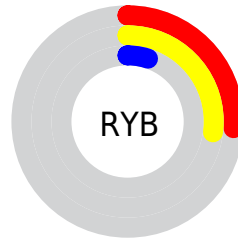
Distribution



Red (27%)

Green (16%)

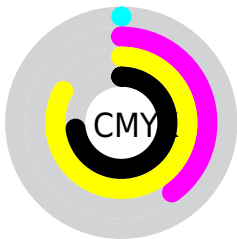
Blue (5%)



Red (26%)

Yellow (27%)

Blue (5%)

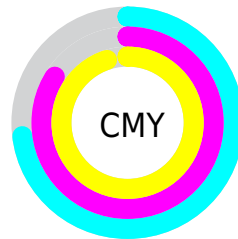


Cyan (0%)

Magenta (40%)

Yellow (83%)

Black (73%)



Cyan (73%)


Magenta (84%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the YUV color 46.9520, -17.2313, 20.2131 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 46.9520, -17.2313, 20.2131 by changing the saturation by 10% instead.


 46.9520, -17.2313,
20.2131


 46.9520, -17.2313,
20.2131

 252.9480, -7.8624,
1.7996

 26.0810, -12.8579,
17.4690


 93.6320, -18.5526,
24.0017

 6.5780, -3.2430,
13.5251

 119.0020,
-19.7210, 25.4312

 0.0000, 0.0000,
0.0000

 144.7850,
-20.6000, 27.3756


 171.2690,
-21.3316, 28.7051


 199.1550,
-21.7684, 28.8051


 224.8450,


-21.6156, 26.4459


 245.0600,
-17.7776, 8.7174


 46.9520, -17.2313,
20.2131


 46.9520, -17.2313,
20.2131


 44.3930, -19.4207,
22.4573


 49.5110, -15.0419,
17.9689

 42.0620, -20.7366,
24.5016

 52.6570, -13.1419,
15.2098

 55.2160, -10.9525,
12.9656

 58.3620, -9.0525,
10.2065

 60.9210, -6.8631,
7.9623

■ 63.4800, -4.6736,
5.7180

■ 66.6260, -2.7736,
2.9590

■ 69.1850, -0.5842,
0.7148

■ 71.7440, 1.6052,
-1.5295

Harmonies

Analogous

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



47.4290, -10.5645, 28.5648



46.9520, -17.2313, 20.2131



45.5930, -19.5193, 7.3729

Triad

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



46.9520, -17.2313, 20.2131



39.3870, 6.2182, -34.5424



49.4040, 14.0978, 4.9077

Complementary

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



46.9520, -17.2313, 20.2131



35.0480, 17.2313, -20.2131

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.



44.2480, 20.5837, -22.1425



46.9520, -17.2313, 20.2131



41.5530, 14.5174, -36.4420

Square

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



46.9520, -17.2313, 20.2131



36.9330, -1.9390, -31.5132



41.1600, 20.6271, -36.0973



49.5650, 6.6235, 22.3065

Rectangle

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



46.9520, -17.2313, 20.2131



44.1510, -15.8504, -2.7634



41.1600, 20.6271, -36.0973



48.9300, 16.3035, -2.5696

Sweetspot

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



46.9520, -17.2313, 20.2131



82.9210, -6.8631, 7.9623



32.5340, 3.6807, 32.8577



40.2950, -4.0894, 5.0033



173.0000, 0.0000, 0.0000



46.0000, 0.0000, 0.0000

Same Dimension

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



46.9520, -17.2313, 20.2131



55.7980, -27.0154, 31.7492



63.0890, -25.1869, 5.1839



34.3700, -1.1684, 1.4295



59.5380, -29.3522, 34.6082



136.5520, -67.3201, 79.3229

Inverse Universe

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



35.0480, 17.2313, -20.2131



37.2020, 27.0154, -31.7492



18.9110, 25.1869, -5.1839



33.6300, 1.1684, -1.4295



39.4620, 29.3522, -34.6082



90.4480, 67.3201, -79.3229

Previews

White Background



This preview shows how the YUV color 46.9520, -17.2313, 20.2131 looks on a white background.

Color Contrast Check

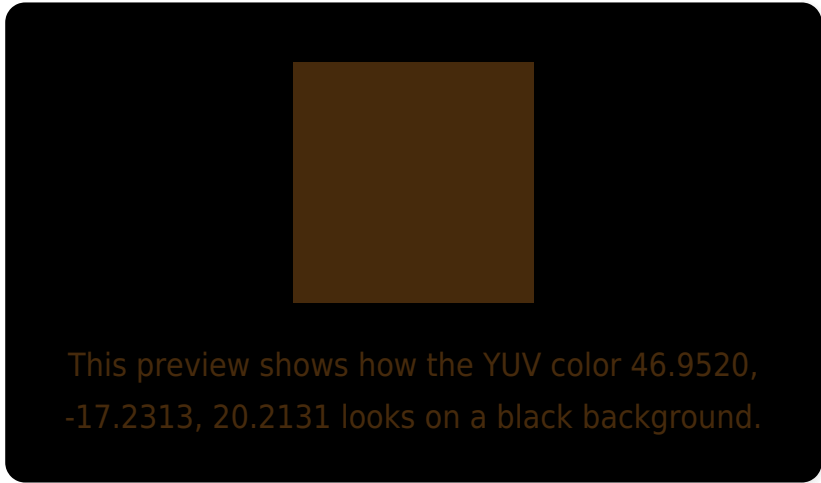
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

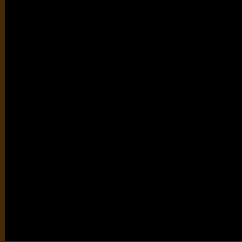
Any Text WCAG AA × Fail

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 46.9520, -17.2313, 20.2131 Background



This preview shows how black text looks on a background with the YUV color 46.9520, -17.2313, 20.2131.

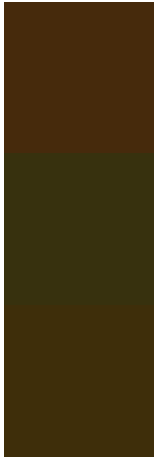


This preview shows how white text looks on a background with the YUV color 46.9520, -17.2313,

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

46.9520, -17.2313, 20.2131

Protanopia

46.8040, -16.1724, 7.1879

Deuteranopia

46.6800, -18.0832, 13.4356



Tritanopia

48.9100, -3.4066, 19.3729

Trichromacy



Original Color

46.9520, -17.2313, 20.2131

Protanomaly

46.4240, -16.4780, 11.9062

Deuteranomaly

47.1040, -17.7993, 15.6948

Tritanomaly

48.2430, -8.5008, 19.9579

Monochromacy



Original Color

46.9520, -17.2313, 20.2131

Achromatopsia

47.0000, 0.0000, 0.0000

Achromatomaly

46.7360, -6.2788, 7.2475

CSS Examples

Text

The CSS property to change the color of the text to YUV 46.9520, -17.2313, 20.2131 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(70, 42, 12)` looks like.

```
.text, #text, p{  
    color:rgb(70, 42, 12)  
}
```

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(70, 42, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 42, 12) }
```

Border

The CSS property to change the border of an element to YUV 46.9520, -17.2313, 20.2131 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(70, 42, 12) }
```


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

```
.border{ border-color:rgb(70, 42, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 42, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 42, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 42, 12);  
box-shadow:4px 4px 4px 4px rgb(70, 42, 12)  
}
```

Background

The CSS property to change the background color of an element to YUV 46.9520, -17.2313, 20.2131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 42, 12) }
```

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

```
.background{ background-color: rgb(70, 42,  
12) }
```

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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