

Converting Colors

YUV(31.3520, -3.6245, 42.6643)

Have a look what the booklet for
YUV(31.3520, -3.6245, 42.6643)
contains.

YUV(31.3520, -3.6245, 42.6643)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

**YUV(31.3520, -3.6245,
42.6643)**

Conversions

Conversions Part 1

Format	Color
Hex	500818
RGB	80, 8, 24
RGB Percent	31%, 3%, 9%
CMY	0.6863, 0.9686, 0.9059
CMYK	0.00, 0.90, 0.70, 0.69
HSL	347°, 82%, 17%
HSV	347°, 90%, 31%
XYZ	3.5600, 1.9451, 1.0520
YIQ	31.3520, 37.7760, 20.2400

Conversions

Conversions Part 2

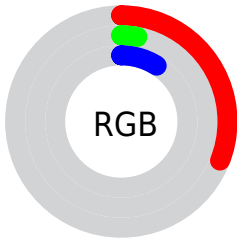
Format	Color
R_{YB}	80, 8, 24
Decimal	5244952
CIE _{Lab}	15.20, 32.82, 11.19
CIE _{LCh}	15, 34.679, 18.825
Yxy	1.9451, 0.5429, 0.2966
Android (android.graphics.Color)	4283435032 (0xFF500818)
YUV	31.3520, -3.6245, 42.6643
Hunter-Lab	13.9466, 21.1566, 5.2905

Details

The YUV color **31.3520, -3.6245, 42.6643** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **56.6480, 3.6245, -42.6643**, and the grayscale version is **31.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **82.2230, -7.9979, 45.4084**, and **7.5890, -3.2484, 15.2694** is the 20% darker color. If you saturate the color by 10%, you get **25.9720, -3.9302, 47.3826**, and if you desaturate by 10%, it is **36.7320, -3.3189, 37.9460**.

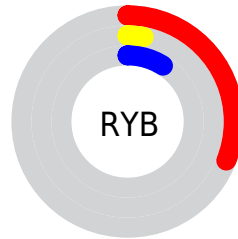
Distribution



Red (31%)

Green (3%)

Blue (9%)



Red (31%)

Yellow (3%)

Blue (9%)

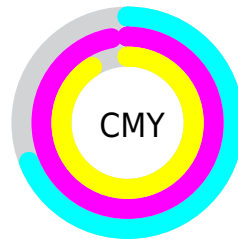


Cyan (0%)

Magenta (90%)

Yellow (70%)

Black (69%)



Cyan (69%)


Magenta (97%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the YUV color 31.3520, -3.6245, 42.6643 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 31.3520, -3.6245, 42.6643 by changing the saturation by 10% instead.


 31.3520, -3.6245,
42.6643


 31.3520, -3.6245,
42.6643


 249.1470, 0.4205,
5.1331


 16.4450, -8.1074,
33.8127


 82.2230, -7.9979,
45.4084


 7.5890, -3.2484,
15.2694

 108.0060, -8.8770,
47.3527

 0.0000, 0.0000,
0.0000

 133.7890, -9.7560,
49.2970


 160.6860,
-10.1982, 51.1414


 188.4690,
-11.0772, 53.0857


 209.1900, -7.9817,


40.1754


 228.8180, -3.8543,
22.9616


 31.3520, -3.6245,
42.6643


 31.3520, -3.6245,
42.6643


 25.9720, -3.9302,
47.3826

 36.7320, -3.3189,
37.9460

 42.1120, -3.0132,
33.2278

 47.6060, -2.2708,
28.4095

 52.9860, -1.9651,
23.6913

 58.3660, -1.6594,
18.9730

■ 63.7460, -1.3538,
14.2548

■ 69.2400, -0.6113,
9.4365

■ 74.6200, -0.3057,
4.7183

■ 80.0000, 0.0000,
0.0000

Harmonies

Analogous

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



32.8920, 7.4482, 37.8057



31.3520, -3.6245, 42.6643



34.7410, -17.1273, 33.5531

Triad

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



31.3520, -3.6245, 42.6643



27.3010, -13.4594, -23.0660



35.7460, 25.2682, -31.3492

Complementary

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



31.3520, -3.6245, 42.6643



56.6480, 3.6245, -42.6643

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.



36.7260, 18.8691, -32.2087



31.3520, -3.6245, 42.6643



31.3680, -1.6604, -27.5097

Square

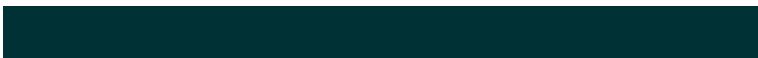
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.3520, -3.6245, 42.6643



34.8200, -17.1663, -0.7191



34.8050, 8.9701, -30.5240



32.9150, 25.6779, -22.7275

Rectangle

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



31.3520, -3.6245, 42.6643



36.1480, -17.8210, 22.6722



34.8050, 8.9701, -30.5240



35.9910, 23.6684, -31.5641

Sweetspot

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



31.3520, -3.6245, 42.6643



85.4690, -1.2172, 17.1287



32.6530, 23.3421, 26.6143



41.8380, -0.9061, 10.6661



181.0000, 0.0000, 0.0000



54.0000, 0.0000, 0.0000

Same Dimension

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



31.3520, -3.6245, 42.6643



34.0170, -5.4314, 62.2521



40.6810, -16.1117, 34.4828



38.3100, -0.1528, 2.3591



75.2960, -11.4849, 137.4294

Inverse Universe

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



31.3520, -3.6245, 42.6643



34.0170, -5.4314, 62.2521



47.3190, 16.1117, -34.4828



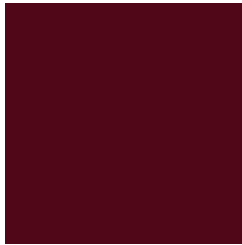
38.3100, -0.1528, 2.3591



75.2960, -11.4849, 137.4294

Previews

White Background



This preview shows how the YUV color 31.3520, -3.6245, 42.6643 looks on a white background.

Color Contrast Check

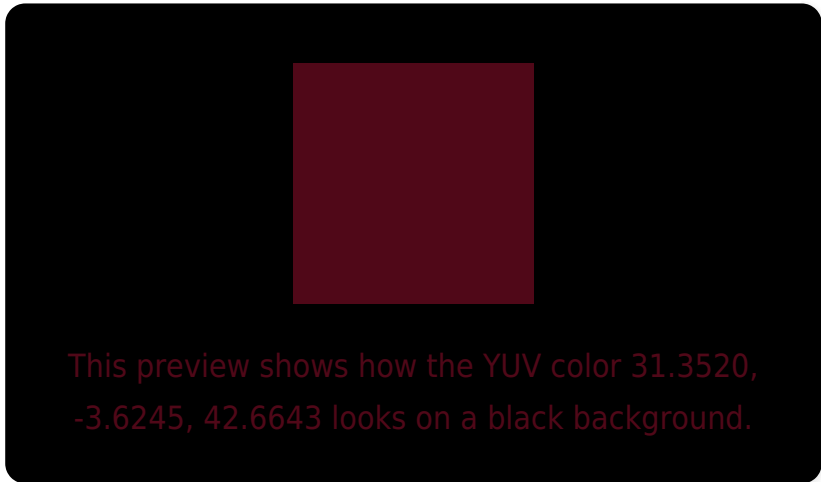
Large Text (above 18pt) WCAG AA ✓ Pass

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

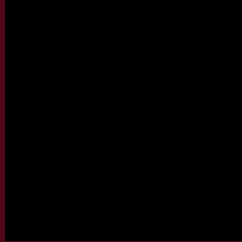
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 31.3520, -3.6245, 42.6643

Background



This preview shows how black text looks on a background with the YUV color 31.3520, -3.6245, 42.6643.



This preview shows how white text looks on a background with the YUV color 31.3520, -3.6245,

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

31.3520, -3.6245, 42.6643

Protanopia

40.9140, -2.9156, 1.8294

Deuteranopia

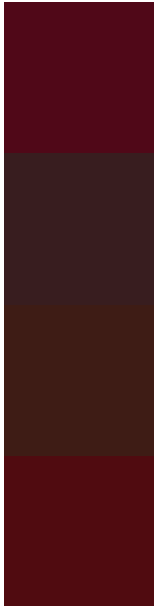
40.4220, -10.0680, 9.2769



Tritanopia

32.2180, -10.4605, 41.9048

Trichromacy



Original Color

31.3520, -3.6245, 42.6643

Protanomaly

37.3010, -3.1064, 16.3990

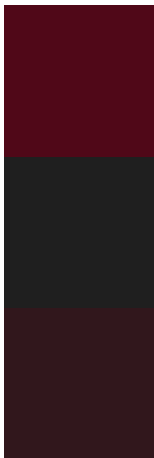
Deuteranomaly

37.3680, -8.0694, 21.6023

Tritanomaly

32.2010, -7.9871, 41.9197

Monochromacy



Original Color

31.3520, -3.6245, 42.6643

Achromatopsia

31.0000, 0.0000, 0.0000

Achromatomaly

31.3440, -1.6486, 15.4843

CSS Examples

Text

The CSS property to change the color of the text to YUV 31.3520, -3.6245, 42.6643 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(80, 8, 24)` looks like.

```
.text, #text, p{  
    color:rgb(80, 8, 24)  
}
```

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(80, 8, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 8, 24) }
```

Border

The CSS property to change the border of an element to YUV 31.3520, -3.6245, 42.6643 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(80, 8, 24) }
```

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

```
.border{ border-color:rgb(80, 8, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 8, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 8, 24); -webkit-box-shadow:4px  
4px 4px 4px rgb(80, 8, 24); box-shadow:4px  
4px 4px 4px rgb(80, 8, 24) }
```

Background

The CSS property to change the background color of an element to YUV 31.3520, -3.6245, 42.6643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 8, 24) }
```

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

```
.background{ background-color: rgb(80, 8,  
24) }
```

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