

Converting Colors

YUV(45.4080, 14.5889,
-12.6358)

Have a look what the booklet for
YUV(45.4080, 14.5889, -12.6358)
contains.

YUV(45.4080, 14.5889, -12.6358)	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>	31

Color

**YUV(45.4080, 14.5889,
-12.6358)**

Conversions

Conversions Part 1

Format	Color
Hex	1F2F4B
RGB	31, 47, 75
RGB Percent	12%, 18%, 29%
CMY	0.8784, 0.8157, 0.7059
CMYK	0.59, 0.37, 0.00, 0.71
HSL	218°, 42%, 21%
HSV	218°, 59%, 29%
XYZ	2.8516, 2.8323, 7.0530
YIQ	45.4080, -18.5240, 5.3160

Conversions

Conversions Part 2

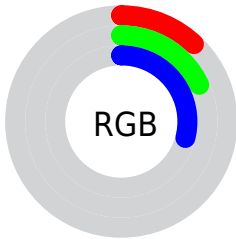
Format	Color
R_{YB}	31, 43, 75
Decimal	2043723
CIE Lab	19.36, 2.95, -19.36
CIE LCh	19, 19.581, 278.674
Yxy	2.8323, 0.2239, 0.2224
Android (android.graphics.Color)	4280233803 (0xFF1F2F4B)
YUV	45.4080, 14.5889, -12.6358
Hunter-Lab	16.8295, 0.7932, -13.0669

Details

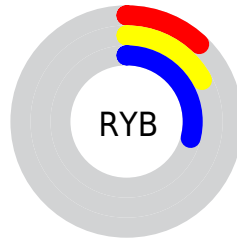
The YUV color **45.4080, 14.5889, -12.6358** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **60.5920, -14.5889, 12.6358**, and the grayscale version is **45.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **92.3480, 15.6044, -11.7062**, and **4.7080, 12.9620, -4.1289** is the 20% darker color. If you saturate the color by 10%, you get **40.3800, 17.0677, -14.3653**, and if you desaturate by 10%, it is **50.7350, 11.9626, -10.2916**.

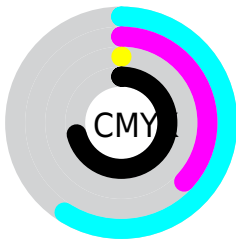
Distribution



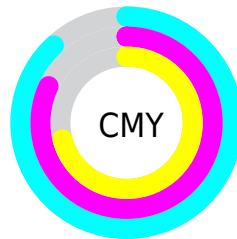
- Red (12%)
- Green (18%)
- Blue (29%)



- Red (12%)
- Yellow (17%)
- Blue (29%)



- Cyan (59%)
- Magenta (37%)
- Yellow (0%)
- Black (71%)



- Cyan (88%)
- Magenta (82%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the YUV color 45.4080, 14.5889, -12.6358 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 45.4080, 14.5889, -12.6358 by changing the saturation by 10% instead.

■ 45.4080, 14.5889,
-12.6358

■ 45.4080, 14.5889,
-12.6358

■ 255.0000, 0.0000,
0.0000

■ 22.9840, 14.3049,
-14.8950

■ 92.3480, 15.6044,
-11.7062

■ 4.7080, 12.9620,
-4.1289

■ 116.8750, 16.3306,
-11.2914

■ 0.2280, 0.8736,
-0.2000

■ 142.6900, 16.9148,
-12.0061

■ 0.0000, 0.0000,
0.0000

■ 169.1030, 17.2042,
-11.4913

■ 196.2170, 17.6410,
-11.5913

■ 223.6470, 15.4570,

-11.0914

249.0420, 2.9373,
-8.8068

45.4080, 14.5889,
-12.6358

45.4080, 14.5889,
-12.6358

40.3800, 17.0677,
-14.3653

50.7350, 11.9626,
-10.2916

35.0530, 19.6939,
-16.7095

55.7630, 9.4838,
-8.5622

30.6120, 21.8833,
-18.9537

60.5030, 7.1470,
-5.7031

25.2850, 24.5095,
-21.2979

65.5310, 4.6682,
-3.9737

24.3990, 24.9463,
-21.3979

70.8580, 2.0420,
-1.6295

■ 75.8860, -0.4368,
0.1000

■ 80.6260, -2.7736,
2.9590

■ 85.6540, -5.2524,
4.6884

■ 90.9810, -7.8786,
7.0327

Harmonies

Analogous

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



38.2590, 17.1273, -33.5531



45.4080, 14.5889, -12.6358



48.6660, 10.0247, 4.6779

Triad

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



45.4080, 14.5889, -12.6358



47.2540, -8.5062, 21.7022



39.9990, -1.9715, -21.0471

Complementary

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



45.4080, 14.5889, -12.6358



60.5920, -14.5889, 12.6358

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.



43.4370, -9.5824, -6.5222



45.4080, 14.5889, -12.6358



46.6570, -13.1419, 15.2098

Square

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



45.4080, 14.5889, -12.6358



47.5730, -2.2545, 23.1765



45.1890, -13.4042, 5.9732



37.5120, 6.6496, -32.8980

Rectangle

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



45.4080, 14.5889, -12.6358



48.5100, 6.6506, 13.5847



45.1890, -13.4042, 5.9732



41.9350, -4.8980, -15.7290

Sweetspot

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



45.4080, 14.5889, -12.6358



85.1610, 5.8366, -5.4032



60.0200, -0.5029, -25.4505



41.4880, 3.2104, -3.0590



176.0000, 0.0000, 0.0000



48.0000, 0.0000, 0.0000

Same Dimension

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



45.4080, 14.5889, -12.6358



51.4270, 22.4675, -19.6685



37.8100, 18.3347, -0.7104



35.6300, 1.1684, -1.4295



33.3470, 33.8459, -29.2453



74.9410, 76.4441, -65.7233

Inverse Universe

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



45.9800, 0.5029, 25.4505



52.1820, 0.8963, 39.3054



68.1900, -18.3347, 0.7104



35.4240, 0.2840, 2.2592



34.7160, 1.1260, 59.0081



78.2320, 2.3506, 133.1005

Previews

White Background



This preview shows how the YUV color 45.4080, 14.5889, -12.6358 looks on a white background.

Color Contrast Check

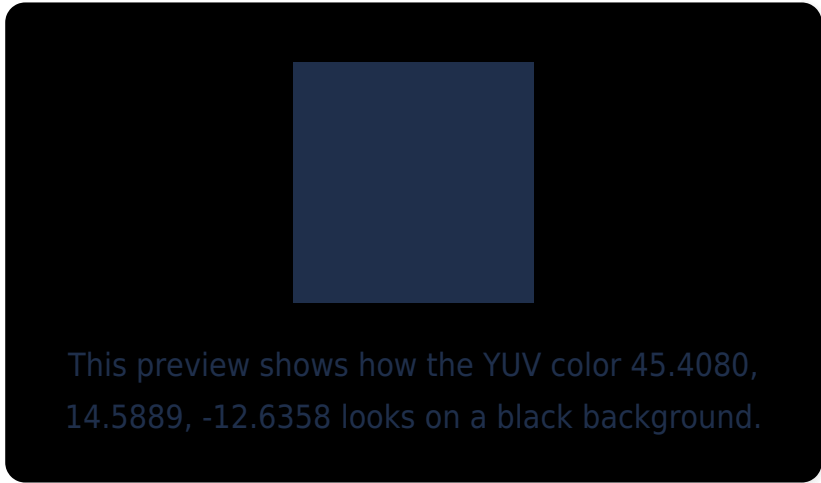
Large Text (above 18pt) WCAG AA ✓ Pass

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

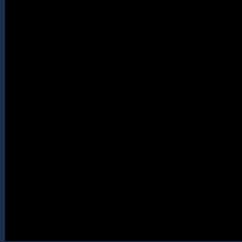
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 45.4080, 14.5889, -12.6358

Background



This preview shows how black text looks on a background with the YUV color 45.4080, 14.5889, -12.6358.



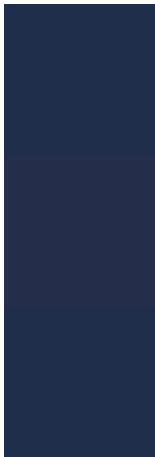
This preview shows how white text looks on a background with the YUV color 45.4080, 14.5889, -12.6358.

-12.6358.

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

45.4080, 14.5889, -12.6358

Protanopia

46.2020, 13.7044, -8.9472

Deuteranopia

45.4080, 14.5889, -12.6358



Tritanopia

43.0840, 5.8746, -17.6137

Trichromacy



Original Color

45.4080, 14.5889, -12.6358

Protanomaly

45.6040, 13.9992, -10.1767

Deuteranomaly

45.4080, 14.5889, -12.6358

Tritanomaly

44.1920, 8.7793, -15.9544

Monochromacy



Original Color

45.4080, 14.5889, -12.6358

Achromatopsia

45.0000, 0.0000, 0.0000

Achromatomaly

45.3460, 5.2524, -4.6884

CSS Examples

Text

The CSS property to change the color of the text to YUV 45.4080, 14.5889, -12.6358 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(31, 47, 75)` looks like.

```
.text, #text, p{  
    color:rgb(31, 47, 75)  
}
```

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(31, 47, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 47, 75) }
```

Border

The CSS property to change the border of an element to YUV 45.4080, 14.5889, -12.6358 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(31, 47, 75) }
```


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

```
.border{ border-color:rgb(31, 47, 75) }
```

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

Here you see how a box with a 4 pixel rgb(31, 47, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 47, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 47, 75);  
box-shadow:4px 4px 4px 4px rgb(31, 47, 75)  
}
```

Background

The CSS property to change the background color of an element to YUV 45.4080, 14.5889, -12.6358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 47, 75) }
```

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

```
.background{ background-color: rgb(31, 47,  
75) }
```

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