

Converting Colors

YUV(87.0260, 13.7912,
-36.8568)

Have a look what the booklet for
YUV(87.0260, 13.7912, -36.8568)
contains.

YUV(87.0260, 13.7912, -36.8568)	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(87.0260, 13.7912,
-36.8568)**

Conversions

Conversions Part 1

Format	Color
Hex	2D6773
RGB	45, 103, 115
RGB Percent	18%, 40%, 45%
CMY	0.8235, 0.5961, 0.5490
CMYK	0.61, 0.10, 0.00, 0.55
HSL	190°, 44%, 31%
HSV	190°, 61%, 45%
XYZ	9.0269, 11.4962, 17.9629
YIQ	87.0260, -38.4200, -8.5640

Conversions

Conversions Part 2

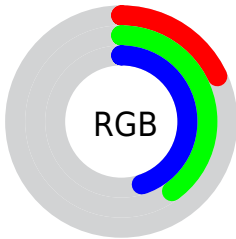
Format	Color
R_{YB}	45, 77, 115
Decimal	2975603
CIE _{Lab}	40.40, -15.00, -12.44
CIE _{LCh}	40, 19.486, 219.682
Yxy	11.4962, 0.2346, 0.2987
Android (android.graphics.Color)	4281165683 (0xFF2D6773)
YUV	87.0260, 13.7912, -36.8568
Hunter-Lab	33.9060, -11.8127, -7.6767




Details

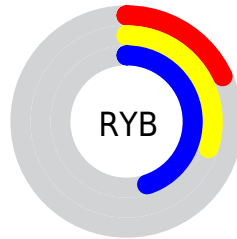
The YUV color **87.0260, 13.7912, -36.8568** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **72.9740, -13.7912, 36.8568**, and the grayscale version is **87.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **138.7380, 13.9332, -35.7272**, and **40.5100, 13.0596, -35.5273** is the 20% darker color. If you saturate the color by 10%, you get **82.2640, 16.1388, -43.2045**, and if you desaturate by 10%, it is **91.7880, 11.4435, -30.5091**.

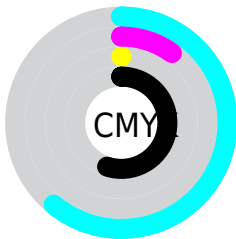
Distribution







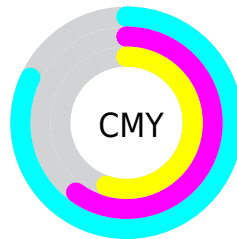
-  Red (18%)
-  Green (40%)
-  Blue (45%)






-  Red (18%)
-  Yellow (30%)
-  Blue (45%)



-  Cyan (61%)
-  Magenta (10%)
-  Yellow (0%)
-  Black (55%)



-  Cyan (82%)
-  Magenta (60%)
-  Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the YUV color 87.0260, 13.7912, -36.8568 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 87.0260, 13.7912, -36.8568 by changing the saturation by 10% instead.

87.0260, 13.7912,
-36.8568

87.0260, 13.7912,
-36.8568

255.0000, 0.0000,
0.0000

60.5200, 14.5336,
-41.6750

138.7380, 13.9332,
-35.7272

40.5100, 13.0596,
-35.5273

165.7380, 13.9332,
-35.7272

25.0880, 9.8166,
-22.0022

193.4390, 14.0806,
-36.3420

5.1980, 9.7624,
-4.5586

221.5530, 14.5174,
-36.4420

0.0000, 0.0000,
0.0000

240.9470, 6.9281,
-28.8945

249.6180, 2.6533,

-11.0660

■ 87.0260, 13.7912,
-36.8568

■ 87.0260, 13.7912,
-36.8568

■ 82.2640, 16.1388,
-43.2045

■ 91.7880, 11.4435,
-30.5091

■ 77.8010, 18.3391,
-48.9375

■ 96.2510, 9.2433,
-24.7761

■ 73.0390, 20.6868,
-55.2852

■ 101.0130, 6.8956,
-18.4284

■ 68.8750, 22.7396,
-60.4034

■ 105.4760, 4.6953,
-12.6955

■ 110.2380, 2.3477,
-6.3477

■ 114.7010, 0.1474,
-0.6148

■ 119.4630, -2.2003,
5.7329

■ 123.9260, -4.4005,
11.4659

■ 128.3890, -6.6008,
17.1988

Harmonies

Analogous

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



87.0990, 6.3602, -33.4128



87.0260, 13.7912, -36.8568



90.5910, 16.9636, -27.7053

Triad

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



87.0260, 13.7912, -36.8568



97.9730, 4.4503, 19.3177



93.8470, -14.7146, 6.2732

Complementary

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



87.0260, 13.7912, -36.8568



72.9740, -13.7912, 36.8568

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.



95.6250, -14.6051, 17.8689



87.0260, 13.7912, -36.8568



97.0680, -2.9915, 26.2504

Square

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



87.0260, 13.7912, -36.8568



97.0190, 11.3296, 6.1223



96.5210, -10.1169, 24.9761



91.7960, -10.7454, -6.8371

Rectangle

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



87.0260, 13.7912, -36.8568



93.5430, 16.4943, -17.1392



96.5210, -10.1169, 24.9761



94.3530, -15.4570, 11.0914

Sweetspot

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



87.0260, 13.7912, -36.8568



139.5790, 5.1376, -14.5398



87.4580, -15.0158, -37.2357



70.1560, 3.3741, -8.9068



204.0000, 0.0000, 0.0000



77.0000, 0.0000, 0.0000

Same Dimension

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



87.0260, 13.7912, -36.8568



106.8430, 21.2764, -57.7443



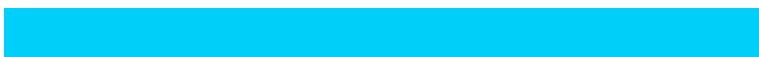
66.4810, 23.9199, -18.8388



56.6190, 1.1738, -3.1739



73.1950, 24.0609, -64.1920



150.0090, 49.2956, -131.5579

Inverse Universe

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



72.5420, 15.0158, 37.2357



83.9650, 23.6813, 57.9127



93.5190, -23.9199, 18.8388



55.3640, 1.2995, 3.1888



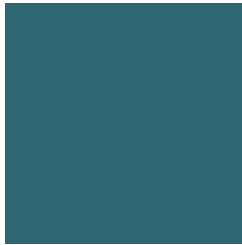
47.9920, 26.1329, 64.9050



98.3480, 53.5654, 132.9988

Previews

White Background



This preview shows how the YUV color 87.0260, 13.7912, -36.8568 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 87.0260, 13.7912, -36.8568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

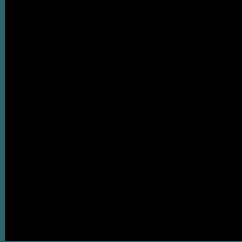
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 87.0260, 13.7912, -36.8568

Background



This preview shows how black text looks on a background with the YUV color 87.0260, 13.7912, -36.8568.



This preview shows how white text looks on a background with the YUV color 87.0260, 13.7912,

-36.8568.

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

87.0260, 13.7912, -36.8568

Protanopia

95.1120, 6.8468, -2.7292

Deuteranopia

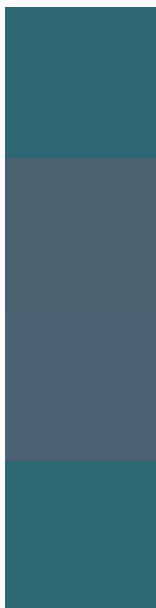
95.7360, 10.4832, -2.3995



Tritanopia

86.9720, 12.3388, -37.6864

Trichromacy



Original Color

87.0260, 13.7912, -36.8568

Protanomaly

92.0180, 9.3581, -14.9248

Deuteranomaly

92.8870, 11.3947, -14.8099

Tritanomaly

87.0860, 12.7756, -37.7864

Monochromacy



Original Color

87.0260, 13.7912, -36.8568

Achromatopsia

87.0000, 0.0000, 0.0000

Achromatomaly

87.1770, 4.8427, -13.3102

CSS Examples

Text

The CSS property to change the color of the text to YUV 87.0260, 13.7912, -36.8568 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(45, 103, 115)` looks like.

```
.text, #text, p{  
    color:rgb(45, 103, 115)  
}
```

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(45, 103, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 103, 115) }
```

Border

The CSS property to change the border of an element to YUV 87.0260, 13.7912, -36.8568 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(45, 103, 115) }
```


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

```
.border{ border-color:rgb(45, 103, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 103, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 103, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 103, 115);  
box-shadow:4px 4px 4px 4px rgb(45, 103,  
115) }
```

Background

The CSS property to change the background color of an element to YUV 87.0260, 13.7912, -36.8568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 103, 115) }
```

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

```
.background{ background-color: rgb(45, 103,  
115) }
```

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