

Converting Colors

YUV(87.3640, 14.6105,
-19.6132)

Have a look what the booklet for
YUV(87.3640, 14.6105, -19.6132)
contains.

YUV(87.3640, 14.6105, -19.6132)	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(87.3640, 14.6105,
-19.6132)**

Conversions

Conversions Part 1

Format	Color
Hex	415D75
RGB	65, 93, 117
RGB Percent	25%, 36%, 46%
CMY	0.7451, 0.6353, 0.5412
CMYK	0.44, 0.21, 0.00, 0.54
HSL	208°, 29%, 36%
HSV	208°, 44%, 46%
XYZ	9.3052, 10.2369, 18.3151
YIQ	87.3640, -24.3920, 1.5280

Conversions

Conversions Part 2

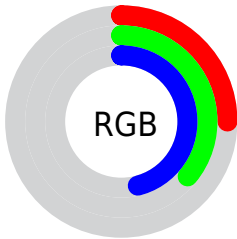
Format	Color
R_{YB}	65, 83, 117
Decimal	4283765
CIE _{Lab}	38.26, -3.45, -16.84
CIE _{LCh}	38, 17.194, 258.414
Yxy	10.2369, 0.2458, 0.2704
Android (android.graphics.Color)	4282473845 (0xFF415D75)
YUV	87.3640, 14.6105, -19.6132
Hunter-Lab	31.9951, -4.0779, -11.5430

Details

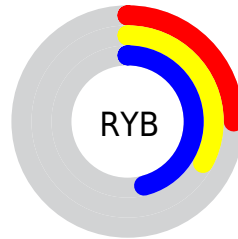
The YUV color **87.3640, 14.6105, -19.6132** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **94.6360, -14.6105, 19.6132**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **137.5920, 15.4841, -19.8132**, and **39.9400, 14.3266, -21.8724** is the 20% darker color. If you saturate the color by 10%, you get **80.8410, 17.8264, -24.4166**, and if you desaturate by 10%, it is **93.8870, 11.3947, -14.8099**.

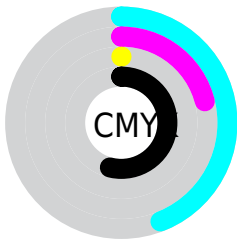
Distribution



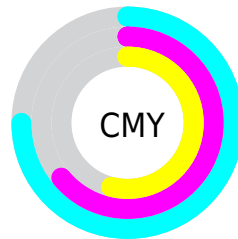
- Red (25%)
- Green (36%)
- Blue (46%)



- Red (25%)
- Yellow (33%)
- Blue (46%)



- Cyan (44%)
- Magenta (21%)
- Yellow (0%)
- Black (54%)



- Cyan (75%)
- Magenta (64%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the YUV color 87.3640, 14.6105, -19.6132 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 87.3640, 14.6105, -19.6132 by changing the saturation by 10% instead.

■ 87.3640, 14.6105,
-19.6132

■ 87.3640, 14.6105,
-19.6132

255.0000, 0.0000,
0.0000

■ 63.2500, 14.1738,
-19.5132

■ 137.5920, 15.4841,
-19.8132

■ 39.9400, 14.3266,
-21.8724

■ 164.5920, 15.4841,
-19.8132

■ 21.0930, 12.2792,
-18.4986

■ 191.7060, 15.9209,
-19.9132

■ 3.5510, 11.0674,
-3.1142

■ 219.5210, 16.5051,
-20.6279

■ 0.0000, 0.0000,
0.0000

■ 244.8560, 5.0010,
-17.4137

254.4020, 0.2948,

-1.2296

■ 87.3640, 14.6105,
-19.6132

■ 87.3640, 14.6105,
-19.6132

■ 80.8410, 17.8264,
-24.4166

■ 93.8870, 11.3947,
-14.8099

■ 74.0300, 21.1842,
-28.0903

■ 100.6980, 8.0369,
-11.1361

■ 67.5070, 24.4000,
-32.8936

■ 107.2210, 4.8210,
-6.3328

■ 60.3970, 27.9053,
-37.1822

■ 114.3310, 1.3158,
-2.0443

■ 53.8740, 31.1211,
-41.9855

■ 120.8540, -1.9000,
2.7590

■ 50.3190, 32.8737,
-44.1298

■ 127.0780, -4.9685,
6.9476

■ 134.1880, -8.4737,
11.2361

■ 140.7110,
-11.6895, 16.0395

■ 147.5220,
-15.0473, 19.7132

Harmonies

Analogous

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



83.8420, 12.8959, -29.6794



87.3640, 14.6105, -19.6132



90.2950, 12.6726, -4.6437

Triad

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



87.3640, 14.6105, -19.6132



91.5900, -4.7279, 23.1616



86.2840, -7.5350, -9.8961

Complementary

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



87.3640, 14.6105, -19.6132



94.6360, -14.6105, 19.6132

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.



88.3950, -12.5197, 2.2846



87.3640, 14.6105, -19.6132



91.0860, -10.3954, 20.9726

Square

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



87.3640, 14.6105, -19.6132



91.9900, 1.9769, 19.3028



89.6460, -13.1365, 13.4655



84.4550, -0.2243, -21.4470

Rectangle

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



87.3640, 14.6105, -19.6132



91.6660, 10.0247, 4.6779



89.6460, -13.1365, 13.4655



87.1490, -9.4405, -5.3927

Sweetspot

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



87.3640, 14.6105, -19.6132



141.7370, 5.5527, -7.6623



98.1460, -5.0020, -29.0690



69.5910, 3.6526, -4.9033



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.



87.3640, 14.6105, -19.6132



107.0620, 22.6474, -30.7494



72.6890, 21.8453, -6.7433



55.4450, 1.7526, -2.1443



52.6500, 34.1895, -46.1741



107.7450, 70.1317, -94.4924

Inverse Universe

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



83.7400, 4.5652, 29.1690



101.2350, 7.2791, 45.3979



109.3110, -21.8453, 6.7433



55.1360, 0.4260, 3.3887



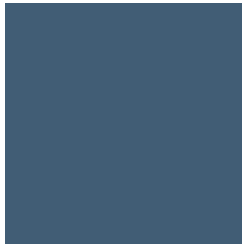
44.0020, 10.8450, 68.4042



90.1400, 22.1160, 140.1972

Previews

White Background



This preview shows how the YUV color 87.3640, 14.6105, -19.6132 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 87.3640, 14.6105, -19.6132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

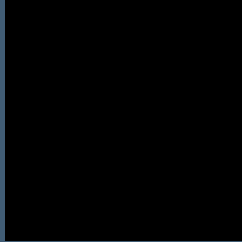
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

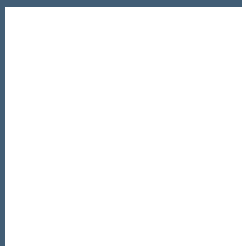
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YUV 87.3640, 14.6105, -19.6132

Background



This preview shows how black text looks on a background with the YUV color 87.3640, 14.6105, -19.6132.



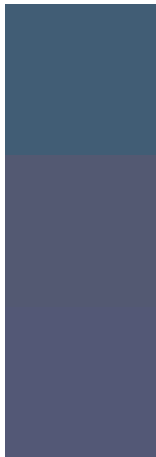
This preview shows how white text looks on a background with the YUV color 87.3640, 14.6105,

-19.6132.

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

87.3640, 14.6105, -19.6132

Protanopia

90.0560, 11.8044, -6.1881

Deuteranopia

89.9250, 13.8410, -6.0732



Tritanopia

85.7460, 8.5062, -21.7022

Trichromacy



Original Color

87.3640, 14.6105, -19.6132

Protanomaly

88.6640, 12.9836, -11.1063

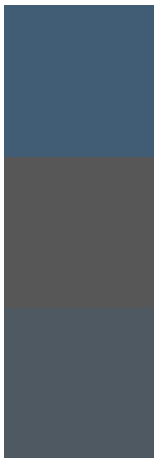
Deuteranomaly

89.0060, 14.2940, -11.4063

Tritanomaly

86.0280, 10.8322, -21.0726

Monochromacy



Original Color

87.3640, 14.6105, -19.6132

Achromatopsia

87.0000, 0.0000, 0.0000

Achromatomaly

87.0360, 5.4053, -7.0476

CSS Examples

Text

The CSS property to change the color of the text to YUV 87.3640, 14.6105, -19.6132 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(65, 93, 117)` looks like.

```
.text, #text, p{  
    color:rgb(65, 93, 117)  
}
```

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(65, 93, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 93, 117) }
```

Border

The CSS property to change the border of an element to YUV 87.3640, 14.6105, -19.6132 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(65, 93, 117) }
```


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

```
.border{ border-color:rgb(65, 93, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 93, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 93, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 93, 117);  
box-shadow:4px 4px 4px 4px rgb(65, 93,  
117) }
```

Background

The CSS property to change the background color of an element to YUV 87.3640, 14.6105, -19.6132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 93, 117) }
```

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

```
.background{ background-color: rgb(65, 93,  
117) }
```

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