

Converting Colors

YUV(45.6750, 63.2642,
-38.3030)

Have a look what the booklet for
YUV(45.6750, 63.2642, -38.3030)
contains.

YUV(45.6750, 63.2642, -38.3030)	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>	30

Color

**YUV(45.6750, 63.2642,
-38.3030)**

Conversions

Conversions Part 1

Format	Color
Hex	022BAE
RGB	2, 43, 174
RGB Percent	1%, 17%, 68%
CMY	0.9922, 0.8314, 0.3176
CMYK	0.99, 0.75, 0.00, 0.32
HSL	226°, 98%, 35%
HSV	226°, 99%, 68%
XYZ	8.5289, 4.7967, 40.5207
YIQ	45.6750, -66.4870, 32.0490

Conversions

Conversions Part 2

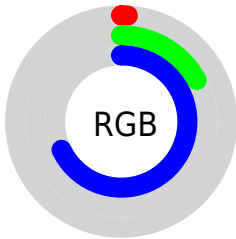
Format	Color
R_{YB}	2, 35, 174
Decimal	142254
CIE _{Lab}	26.15, 42.18, -71.19
CIE _{LCh}	26, 82.748, 300.646
Yxy	4.7967, 0.1584, 0.0891
Android (android.graphics.Color)	4278332334 (0xFF022BAE)
YUV	45.6750, 63.2642, -38.3030
Hunter-Lab	21.9013, 31.1851, -94.3648

Details

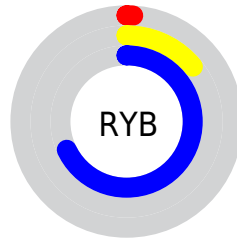
The YUV color **45.6750, 63.2642, -38.3030** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **130.3250, -63.2642, 38.3030**, and the grayscale version is **45.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **106.6830, 61.2883, -11.1230**, and **15.4410, 51.5476, -13.5418** is the 20% darker color. If you saturate the color by 10%, you get **43.9030, 64.1378, -38.5029**, and if you desaturate by 10%, it is **58.3890, 56.9962, -34.5442**.

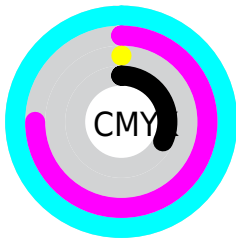
Distribution



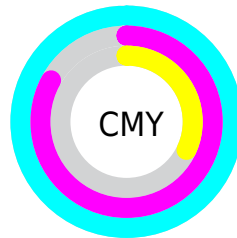
- Red (1%)
- Green (17%)
- Blue (68%)



- Red (1%)
- Yellow (14%)
- Blue (68%)



- Cyan (99%)
- Magenta (75%)
- Yellow (0%)
- Black (32%)



- Cyan (99%)
- Magenta (83%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the YUV color 45.6750, 63.2642, -38.3030 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 45.6750, 63.2642, -38.3030 by changing the saturation by 10% instead.

■ 45.6750, 63.2642,
-38.3030

■ 45.6750, 63.2642,
-38.3030

■ 255.0000, 0.0000,
0.0000

■ 29.6720, 57.8427,
-26.0223

■ 106.6830, 61.2883,
-11.1230

■ 15.4410, 51.5476,
-13.5418

■ 133.6620, 59.8196,
-6.7196

■ 10.7160, 41.0590,
-9.3979

■ 157.8940, 47.8733,
-1.6610

■ 12.6760, 28.2607,
-11.1169

■ 182.7130, 35.6375,
2.8827

■ 7.5920, 18.9351,
-6.6582

■ 207.8310, 23.2543,
8.0412

■ 3.4370, 10.6306,
-3.0142

■ 233.2370, 10.7292,

■ 0.0000, 0.0000,

12.0702

0.0000

252.6520, 1.1576,
2.0592

45.6750, 63.2642,
-38.3030

45.6750, 63.2642,
-38.3030

43.9030, 64.1378,
-38.5029

58.3890, 56.9962,
-34.5442

71.9890, 50.2914,
-30.6854

84.7030, 44.0234,
-26.9265

97.7160, 37.6080,
-22.5529

110.4300, 31.3400,
-18.7941

■ 123.7310, 24.7826,
-15.5501

■ 136.7440, 18.3672,
-11.1765

■ 149.4580, 12.0992,
-7.4177

■ 162.4710, 5.6838,
-3.0441

Harmonies

Analogous

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



64.8530, 63.1765, -56.8761



45.6750, 63.2642, -38.3030



53.7180, 35.1420, 68.6533

Triad

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



45.6750, 63.2642, -38.3030



50.8650, -25.0764, 63.2624



55.2020, 3.3514, -48.4122

Complementary

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



45.6750, 63.2642, -38.3030



130.3250, -63.2642, 38.3030

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.



46.9600, -23.1513, -41.1839



45.6750, 63.2642, -38.3030



58.5310, -28.8558, 15.3203

Square

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



45.6750, 63.2642, -38.3030



46.0460, -22.7007, 94.6757



44.0250, -21.7043, -38.6099



63.6720, 30.7277, -55.8403

Rectangle

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



45.6750, 63.2642, -38.3030



56.3340, 14.1323, 87.4071



44.0250, -21.7043, -38.6099



52.5800, -6.6949, -46.1127

Sweetspot

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



45.6750, 63.2642, -38.3030



176.1440, 25.0720, -15.0353



117.6700, 6.5717, -101.4426



83.6580, 15.4516, -9.3471



242.0000, 0.0000, 0.0000



115.0000, 0.0000, 0.0000

Same Dimension

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



45.6750, 63.2642, -38.3030



57.5760, 83.5260, -50.4942



34.4650, 68.7908, 9.2392



80.2000, 3.3524, -1.9294



38.2320, 55.1016, -33.5295



5.5570, 8.5994, -4.8735

Inverse Universe

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



58.1020, -7.4453, 101.6425



74.0290, -9.8743, 134.1556



141.5350, -68.7908, -9.2392



80.9190, -0.4531, 5.3330



48.9540, -6.3863, 88.6173



7.4470, -1.2064, 13.6400

Previews

White Background



This preview shows how the YUV color 45.6750, 63.2642, -38.3030 looks on a white background.

Color Contrast Check

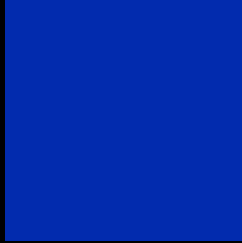
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the YUV color 45.6750, 63.2642, -38.3030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

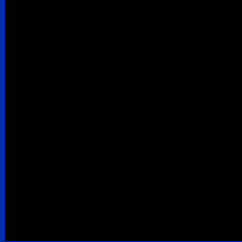
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 45.6750, 63.2642, -38.3030

Background



This preview shows how black text looks on a background with the YUV color 45.6750, 63.2642, -38.3030.



This preview shows how white text looks on a background with the YUV color 45.6750, 63.2642, -38.3030.

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

45.6750, 63.2642, -38.3030

Protanopia

49.6980, 38.1099, -43.5851

Deuteranopia

49.8800, 28.6532, -43.7448

Trichromacy



Original Color

45.6750, 63.2642, -38.3030

Protanomaly

48.4130, 47.1244, -41.5812

Deuteranomaly

48.2190, 41.3040, -41.4111

Monochromacy



Original Color

45.6750, 63.2642, -38.3030

Achromatopsia

46.0000, 0.0000, 0.0000

Achromatomaly

45.9870, 23.1774, -14.0206

CSS Examples

Text

The CSS property to change the color of the text to YUV 45.6750, 63.2642, -38.3030 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(2, 43, 174)` looks like.

```
.text, #text, p{  
    color:rgb(2, 43, 174)  
}
```

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(2, 43, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 43, 174) }
```

Border

The CSS property to change the border of an element to YUV 45.6750, 63.2642, -38.3030 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(2, 43, 174) }
```

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

```
.border{ border-color:rgb(2, 43, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 43, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 43, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 43, 174);  
box-shadow:4px 4px 4px 4px rgb(2, 43, 174)  
}
```


Background

The CSS property to change the background color of an element to YUV 45.6750, 63.2642, -38.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 43, 174) }
```

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

```
.background{ background-color: rgb(2, 43,  
174) }
```

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