

Converting Colors

YUV(45.6690, 45.5192,
-40.0517)

Have a look what the booklet for
YUV(45.6690, 45.5192, -40.0517)
contains.

YUV(45.6690, 45.5192, -40.0517)	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(45.6690, 45.5192,
-40.0517)**

Conversions

Conversions Part 1

Format	Color
Hex	00338A
RGB	0, 51, 138
RGB Percent	0%, 20%, 54%
CMY	1.0000, 0.8000, 0.4588
CMYK	1.00, 0.63, 0.00, 0.46
HSL	218°, 100%, 27%
HSV	218°, 100%, 54%
XYZ	5.7713, 4.2026, 24.5518
YIQ	45.6690, -58.3230, 16.2450

Conversions

Conversions Part 2

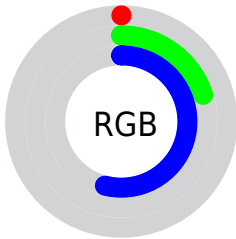
Format	Color
RYB	0, 37, 138
Decimal	13194
CIELab	24.33, 22.69, -52.20
CIElCh	24, 56.914, 293.491
Yxy	4.2026, 0.1672, 0.1217
Android (android.graphics.Color)	4278203274 (0xFF00338A)
YUV	45.6690, 45.5192, -40.0517
Hunter-Lab	20.5003, 14.3760, -56.6572

Details

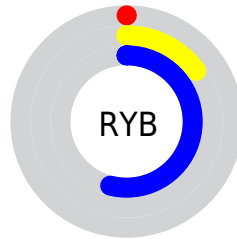
The YUV color **45.6690, 45.5192, -40.0517** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **92.3310, -45.5192, 40.0517**, and the grayscale version is **45.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **103.0460, 43.8543, -19.3343**, and **15.2010, 35.3969, -13.3313** is the 20% darker color. If you saturate the color by 10%, you get **45.6690, 45.5192, -40.0517**, and if you desaturate by 10%, it is **55.1380, 40.8510, -36.0780**.

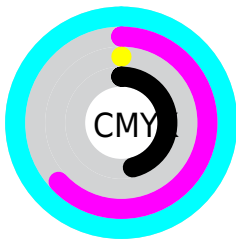
Distribution



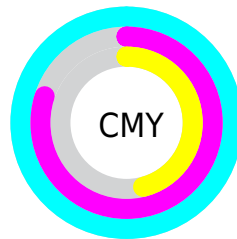
- Red (0%)
- Green (20%)
- Blue (54%)



- Red (0%)
- Yellow (15%)
- Blue (54%)



- Cyan (100%)
- Magenta (63%)
- Yellow (0%)
- Black (46%)



- Cyan (100%)
- Magenta (80%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the YUV color 45.6690, 45.5192, -40.0517 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 45.6690, 45.5192, -40.0517 by changing the saturation by 10% instead.

■ 45.6690, 45.5192,
-40.0517

■ 45.6690, 45.5192,
-40.0517

■ 255.0000, 0.0000,
0.0000

■ 30.9650, 39.9503,
-27.1563

■ 103.0460, 43.8543,
-19.3343

■ 15.2010, 35.3969,
-13.3313

■ 129.1110, 45.3013,
-16.7603

■ 10.7040, 25.7819,
-9.3874

■ 156.2360, 45.7327,
-15.1160

■ 6.3210, 16.6037,
-5.5435

■ 181.1410, 36.4125,
-12.4017

■ 2.6390, 7.5730,
-2.3144

■ 205.6610, 24.3241,
-8.4727

■ 0.0000, 0.0000,
0.0000

■ 231.0670, 11.7990,

-4.4438

■ 45.6690, 45.5192,
-40.0517

■ 55.1380, 40.8510,
-36.0780

■ 64.0200, 36.4721,
-31.5895

■ 73.1900, 31.9513,
-28.2306

■ 82.6590, 27.2831,
-24.2569

■ 91.5410, 22.9043,
-19.7685

■ 101.0100, 18.2361,
-15.7948

■ 110.4790, 13.5679,
-11.8211

■ 119.6490, 9.0470,
-8.4622

■ 128.5310, 4.6682,
-3.9737

Harmonies

Analogous

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



55.8590, 43.9465, -48.9883



45.6690, 45.5192, -40.0517



53.5820, 27.8141, 38.9546

Triad

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



45.6690, 45.5192, -40.0517



50.5000, -24.8965, 52.1815



48.7960, -0.8854, -42.7941

Complementary

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



45.6690, 45.5192, -40.0517



92.3310, -45.5192, 40.0517

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.



41.6770, -20.5468, -36.5507



45.6690, 45.5192, -40.0517



55.0310, -27.1303, 21.8978

Square

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



45.6690, 45.5192, -40.0517



41.0510, -6.9271, 75.3773



49.8160, -24.5593, -9.4856



54.3990, 18.0443, -47.7079

Rectangle

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



45.6690, 45.5192, -40.0517



45.3420, 18.5654, 65.4751



49.8160, -24.5593, -9.4856



46.3850, -7.5848, -40.6796

Sweetspot

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



45.6690, 45.5192, -40.0517



142.8960, 17.7993, -15.6948



90.6960, -2.8081, -79.5404



67.6920, 10.5048, -9.3769



217.0000, 0.0000, 0.0000



89.0000, 0.0000, 0.0000

Same Dimension

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



45.6690, 45.5192, -40.0517



59.1480, 59.0870, -51.8728



20.5160, 57.9196, -3.9605



64.5590, 2.1894, -2.2442



43.9250, 43.9140, -38.5222



1.7440, 1.6052, -1.5295

Inverse Universe

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



47.0760, 1.9345, 79.7403



61.0450, 2.4428, 103.4465



117.4840, -57.9196, 3.9605



64.4350, 0.2785, 4.0035



45.3530, 1.7980, 76.8664



1.7230, 0.1366, 2.8739

Previews

White Background



This preview shows how the YUV color 45.6690, 45.5192, -40.0517 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 45.6690, 45.5192, -40.0517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

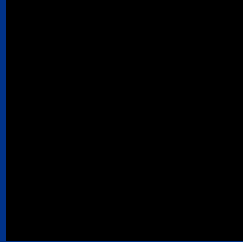
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 45.6690, 45.5192, -40.0517

Background



This preview shows how black text looks on a background with the YUV color 45.6690, 45.5192, -40.0517.



This preview shows how white text looks on a background with the YUV color 45.6690, 45.5192,

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

45.6690, 45.5192, -40.0517

Protanopia

46.4380, 35.7731, -40.7261

Deuteranopia

46.8480, 27.1899, -41.0857



Tritanopia

46.0210, 11.3286, -40.3604

Trichromacy



Original Color

45.6690, 45.5192, -40.0517

Protanomaly

46.0620, 39.4094, -40.3964

Deuteranomaly

46.5690, 33.7365, -40.8410

Tritanomaly

45.9360, 23.6956, -40.2859

Monochromacy



Original Color

45.6690, 45.5192, -40.0517

Achromatopsia

46.0000, 0.0000, 0.0000

Achromatomaly

45.8530, 16.3415, -14.7801

CSS Examples

Text

The CSS property to change the color of the text to YUV 45.6690, 45.5192, -40.0517 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(0, 51, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 51, 138)  
}
```

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(0, 51, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 51, 138) }
```

Border

The CSS property to change the border of an element to YUV 45.6690, 45.5192, -40.0517 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(0, 51, 138) }
```


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

```
.border{ border-color:rgb(0, 51, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 51, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 51, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 51, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 51, 138)  
}
```

Background

The CSS property to change the background color of an element to YUV 45.6690, 45.5192, -40.0517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 51, 138) }
```

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

```
.background{ background-color: rgb(0, 51,  
138) }
```

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