

Converting Colors

YUV(89.7040, 35.6419,
-45.3444)

Have a look what the booklet for
YUV(89.7040, 35.6419, -45.3444)
contains.

YUV(89.7040, 35.6419, -45.3444)	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(89.7040, 35.6419,
-45.3444)**

Conversions

Conversions Part 1

Format	Color
Hex	2666A2
RGB	38, 102, 162
RGB Percent	15%, 40%, 64%
CMY	0.8510, 0.6000, 0.3647
CMYK	0.77, 0.37, 0.00, 0.36
HSL	209°, 62%, 39%
HSV	209°, 77%, 64%
XYZ	12.0723, 12.5234, 35.9634
YIQ	89.7040, -57.4040, 5.0920

Conversions

Conversions Part 2

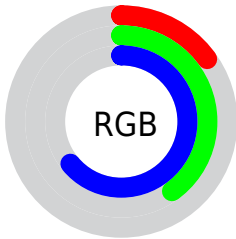
Format	Color
RYB	38, 80, 162
Decimal	2516642
CIELab	42.04, 1.18, -38.19
CIELCh	42, 38.205, 271.769
Yxy	12.5234, 0.1993, 0.2068
Android (android.graphics.Color)	4280706722 (0xFF2666A2)
YUV	89.7040, 35.6419, -45.3444
Hunter-Lab	35.3885, -1.0371, -35.4813

Details

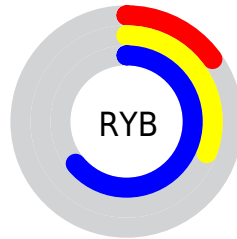
The YUV color **89.7040, 35.6419, -45.3444** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **110.2960, -35.6419, 45.3444**, and the grayscale version is **89.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **144.7480, 35.6202, -38.3670**, and **45.4120, 31.8419, -39.8263** is the 20% darker color. If you saturate the color by 10%, you get **80.2240, 40.3156, -51.0624**, and if you desaturate by 10%, it is **99.1840, 30.9683, -39.6264**.

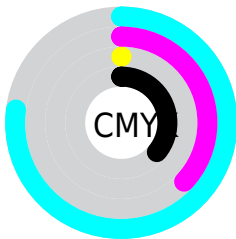
Distribution



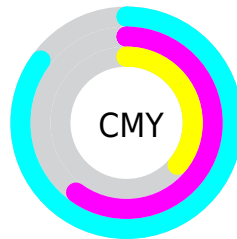
- Red (15%)
- Green (40%)
- Blue (64%)



- Red (15%)
- Yellow (31%)
- Blue (64%)



- Cyan (77%)
- Magenta (37%)
- Yellow (0%)
- Black (36%)



- Cyan (85%)
- Magenta (60%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the YUV color 89.7040, 35.6419, -45.3444 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 89.7040, 35.6419, -45.3444 by changing the saturation by 10% instead.

■ 89.7040, 35.6419,
-45.3444

■ 89.7040, 35.6419,
-45.3444

■ 255.0000, 0.0000,
0.0000

■ 61.2900, 36.8320,
-53.7513

■ 144.7480, 35.6202,
-38.3670

■ 45.4120, 31.8419,
-39.8263

■ 171.9870, 36.4884,
-36.8226

■ 30.2350, 26.9991,
-26.5161

■ 197.8210, 28.1892,
-34.9230

■ 14.1120, 23.6088,
-12.3762

■ 222.9280, 15.8115,
-31.5089

■ 6.2070, 16.1669,
-5.4435

■ 243.3390, 5.7489,
-23.9763

■ 2.4110, 6.6994,
-2.1144

■ 252.3090, 1.3267,

■ 0.0000, 0.0000,

-5.5330

0.0000

■ 89.7040, 35.6419,
-45.3444

■ 89.7040, 35.6419,
-45.3444

■ 80.2240, 40.3156,
-51.0624

■ 99.1840, 30.9683,
-39.6264

■ 70.7440, 44.9892,
-56.7805

■ 108.6640, 26.2946,
-33.9083

■ 67.7760, 46.4524,
-59.4396

■ 118.4430, 21.4736,
-27.5755

■ 127.3360, 17.0894,
-21.3427

■ 136.8160, 12.4157,
-15.6246

■ 146.2960, 7.7421,
-9.9066

■ 155.7760, 3.0684,
-4.1886

■ 165.5550, -1.7526,
2.1443

■ 175.0350, -6.4263,
7.8623

Harmonies

Analogous

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



82.1260, 35.4339, -72.0245



89.7040, 35.6419, -45.3444



101.0690, 25.6020, 1.6935

Triad

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



89.7040, 35.6419, -45.3444



98.7090, -15.1395, 49.3672



85.1570, -8.4584, -40.4797

Complementary

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



89.7040, 35.6419, -45.3444



110.2960, -35.6419, 45.3444

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.



92.5280, -24.4173, -8.3561



89.7040, 35.6419, -45.3444



97.9450, -26.5949, 36.8822

Square

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



89.7040, 35.6419, -45.3444



99.6070, -0.2993, 49.4567



95.6730, -30.8978, 16.9498



78.9050, 10.3998, -69.1997

Rectangle

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



89.7040, 35.6419, -45.3444



102.4370, 17.5326, 23.2958



95.6730, -30.8978, 16.9498



88.6270, -14.6061, -28.6139

Sweetspot

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



89.7040, 35.6419, -45.3444



183.2610, 14.1683, -17.7689



117.6280, -9.6766, -69.8338



89.8120, 8.4737, -11.2361



235.0000, 0.0000, 0.0000



107.0000, 0.0000, 0.0000

Same Dimension

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



89.7040, 35.6419, -45.3444



97.9300, 56.2365, -70.9756



53.3100, 53.5842, -13.4269



76.9610, 2.4842, -3.4738



60.5550, 41.6314, -53.1067



7.3350, 5.2578, -6.4328

Inverse Universe

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



82.3720, 9.6766, 69.8338



86.7050, 14.9354, 109.8837



146.6900, -53.5842, 13.4269



76.2610, 0.8573, 5.0331



51.9050, 11.3858, 81.6443



6.4080, 1.2779, 10.1662

Previews

White Background



This preview shows how the YUV color 89.7040, 35.6419, -45.3444 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 89.7040, 35.6419, -45.3444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

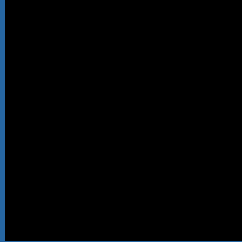
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 89.7040, 35.6419, -45.3444

Background



This preview shows how black text looks on a background with the YUV color 89.7040, 35.6419, -45.3444.



This preview shows how white text looks on a background with the YUV color 89.7040, 35.6419,

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

89.7040, 35.6419, -45.3444

Protanopia

97.5610, 29.3034, -18.9090

Deuteranopia

94.0370, 33.9988, -31.6044



Tritanopia

78.0220, 19.7092, -68.4253

Trichromacy



Original Color

89.7040, 35.6419, -45.3444

Protanomaly

94.7770, 31.6619, -28.7454

Deuteranomaly

92.5310, 34.7412, -36.4227

Tritanomaly

82.2710, 25.5024, -59.8737

Monochromacy



Original Color

89.7040, 35.6419, -45.3444

Achromatopsia

90.0000, 0.0000, 0.0000

Achromatomaly

89.6310, 12.9999, -16.3394

CSS Examples

Text

The CSS property to change the color of the text to YUV 89.7040, 35.6419, -45.3444 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(38, 102, 162)` looks like.

```
.text, #text, p{  
    color:rgb(38, 102, 162)  
}
```

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(38, 102, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 102, 162) }
```

Border

The CSS property to change the border of an element to YUV 89.7040, 35.6419, -45.3444 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(38, 102, 162) }
```


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

```
.border{ border-color:rgb(38, 102, 162) }
```

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

Here you see how a box with a 4 pixel rgb(38, 102, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 102, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 102, 162);  
box-shadow:4px 4px 4px 4px rgb(38, 102,  
162) }
```

Background

The CSS property to change the background color of an element to YUV 89.7040, 35.6419, -45.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 102, 162) }
```

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

```
.background{ background-color: rgb(38, 102,  
162) }
```

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