

# Converting Colors

YUV(109.7820, 67.6485,  
-44.5358)

Have a look what the booklet for  
YUV(109.7820, 67.6485, -44.5358)  
contains.

<b>YUV(109.7820, 67.6485, -44.5358)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(109.7820, 67.6485,  
-44.5358)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3B6DF7
RGB	59, 109, 247
RGB Percent	23%, 43%, 97%
CMY	0.7686, 0.5725, 0.0314
CMYK	0.76, 0.56, 0.00, 0.03
HSL	224°, 92%, 60%
HSV	224°, 76%, 97%
XYZ	24.0608, 18.5825, 90.3143
YIQ	109.7820, -74.0980, 32.3180

# Conversions

## Conversions Part 2

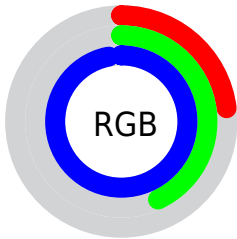
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">59, 98, 247</a>
Decimal	<a href="#">3894775</a>
CIELab	<a href="#">50.20, 30.97, -73.79</a>
CIElCh	<a href="#">50, 80.023, 292.771</a>
Yxy	<a href="#">18.5825, 0.1810, 0.1398</a>
Android (android.graphics.Color)	<a href="#">4282084855 (0xFF3B6DF7)</a>
YUV	<a href="#">109.7820, 67.6485, -44.5358</a>
Hunter-Lab	<a href="#">43.1074, 24.1934, -94.0433</a>

# Details

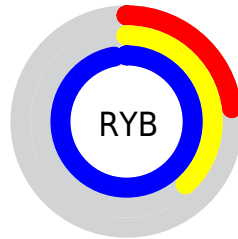
The YUV color **109.7820, 67.6485, -44.5358** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **196.2180, -67.6485, 44.5358**, and the grayscale version is **109.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **162.4580, 45.6232, -26.7117**, and **58.6410, 64.7600, -51.4282** is the 20% darker color. If you saturate the color by 10%, you get **91.7410, 76.5427, -50.6389**, and if you desaturate by 10%, it is **127.8230, 58.7543, -38.4328**.

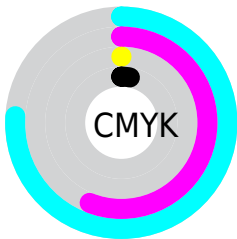
# Distribution



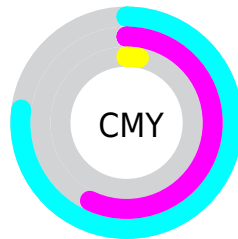
- Red (23%)
- Green (43%)
- Blue (97%)



- Red (23%)
- Yellow (38%)
- Blue (97%)



- Cyan (76%)
- Magenta (56%)
- Yellow (0%)
- Black (3%)



- Cyan (77%)
- Magenta (57%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 109.7820, 67.6485, -44.5358 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 109.7820, 67.6485, -44.5358 by changing the saturation by 10% instead.



■ 109.7820, 67.6485,  
-44.5358

■ 109.7820, 67.6485,  
-44.5358

255.0000, 0.0000,  
0.0000

■ 74.7470, 70.6237,  
-65.5531

■ 162.4580, 45.6232,  
-26.7117

■ 58.6410, 64.7600,  
-51.4282

■ 187.8750, 33.0926,  
-20.9384

■ 43.1220, 58.6069,  
-37.8180

■ 212.9930, 20.7095,  
-15.7799

■ 29.4780, 52.0223,  
-25.8522

■ 239.2850, 7.7475,  
-11.6509

■ 12.4260, 47.6110,  
-10.8976

■ 15.9190, 33.0709,  
-13.9610

■ 10.2480, 24.0347,

-8.9875

■ 5.2780, 15.1459,  
-4.6288

■ 1.3680, 5.2416,  
-1.1997

■ 109.7820, 67.6485,  
-44.5358

■ 109.7820, 67.6485,  
-44.5358

■ 91.7410, 76.5427,  
-50.6389

■ 127.8230, 58.7543,  
-38.4328

■ 73.9990, 85.2895,  
-56.1271

■ 145.5650, 50.0075,  
-32.9445

■ 66.9000, 88.7893,  
-58.6713

■ 163.6060, 41.1132,  
-26.8415

■ 182.2340, 31.9296,  
-21.2532

■ 199.9760, 23.1828,  
-15.7650

■ 218.0170, 14.2886,  
-9.6619

■ 236.0580, 5.3944,  
-3.5589

■ 253.5010, -3.2050,  
1.3146

■ 254.0880, -3.4944,  
0.7998

# Harmonies

## Analogous

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



107.1410, 72.8945, -93.9627



109.7820, 67.6485, -44.5358



118.3620, 41.7265, 56.6875

# Triad

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



109.7820, 67.6485, -44.5358



107.6790, -53.0857, 87.1045



97.6890, 1.1393, -85.6733

# Complementary

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



109.7820, 67.6485, -44.5358



196.2180, -67.6485, 44.5358

# 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.



85.7480, -31.9208, -75.2010



109.7820, 67.6485, -44.5358



112.6980, -55.5601, 40.6069

# Square

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



109.7820, 67.6485, -44.5358



93.1370, -10.4205, 122.6599



105.3020, -51.9139, -9.0349



106.3700, 31.8626, -93.2865



# Rectangle

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



109.7820, 67.6485, -44.5358



102.3200, 28.9292, 101.4514



105.3020, -51.9139, -9.0349



94.3660, -9.0544, -82.7590

# Sweetspot

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



109.7820, 67.6485, -44.5358



212.1180, 21.1408, -14.1355



185.0880, 5.8726, -110.5792



101.3870, 13.1202, -8.2324



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



109.7820, 67.6485, -44.5358



85.8420, 83.3949, -55.1124



93.5880, 75.6321, 8.2543



113.1290, 4.3734, -2.7441



50.5540, 66.7749, -44.3359



16.1180, 21.1408, -14.1355



# Inverse Universe

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



120.9120, -5.8726, 110.5792



99.4360, -7.1169, 136.4296



212.4120, -75.6321, -8.2543



113.9300, -0.4585, 7.0774



61.3140, -5.5778, 109.3496



19.4650, -1.7082, 34.6722



# Previews

## White Background



This preview shows how the YUV color 109.7820, 67.6485, -44.5358 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

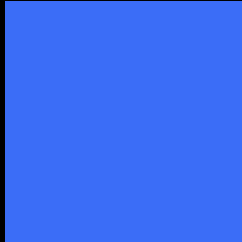
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 109.7820, 67.6485, -44.5358 looks on a black 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

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

# YUV 109.7820, 67.6485, -44.5358

## Background



This preview shows how black text looks on a background with the YUV color 109.7820, 67.6485, -44.5358.



This preview shows how white text looks on a background with the YUV color 109.7820, 67.6485, -44.5358.

-44.5358.

# 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

109.7820, 67.6485, -44.5358

### Protanopia

94.6200, 73.1513, -82.9817

### Deuteranopia

94.8530, 56.2745, -83.1861



## Tritanopia

93.5580, 23.3889, -82.0504

# Trichromacy



## Original Color

109.7820, 67.6485, -44.5358

## Protanomaly

99.8390, 71.0714, -69.1418

## Deuteranomaly

100.3800, 60.4517, -69.6163

## Tritanomaly

99.5870, 39.6436, -68.9208

# Monochromacy



## Original Color

109.7820, 67.6485, -44.5358

## Achromatopsia

110.0000, 0.0000, 0.0000

## Achromatomaly

110.0190, 24.6406, -16.6797

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 109.7820, 67.6485, -44.5358 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(59, 109, 247)` looks like.

```
.text, #text, p{  
    color:rgb(59, 109, 247)  
}
```

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(59, 109, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 109, 247) }
```

## Border

The CSS property to change the border of an element to YUV 109.7820, 67.6485, -44.5358 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(59, 109, 247) }
```



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

```
.border{ border-color:rgb(59, 109, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 109, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 109, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 109, 247);  
box-shadow:4px 4px 4px 4px rgb(59, 109,  
247) }
```

# Background

The CSS property to change the background color of an element to YUV 109.7820, 67.6485, -44.5358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 109, 247) }
```

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

```
.background{ background-color: rgb(59, 109,  
247) }
```

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](#).

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