

Converting Colors

YUV(87.7010, 33.6714,
-19.9088)

Have a look what the booklet for
YUV(87.7010, 33.6714, -19.9088)
contains.

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Color

**YUV(87.7010, 33.6714,
-19.9088)**

Conversions

Conversions Part 1

Format	Color
Hex	41569C
RGB	65, 86, 156
RGB Percent	25%, 34%, 61%
CMY	0.7451, 0.6627, 0.3882
CMYK	0.58, 0.45, 0.00, 0.39
HSL	226°, 41%, 43%
HSV	226°, 58%, 61%
XYZ	11.5085, 10.1797, 32.8108
YIQ	87.7010, -34.9860, 17.3180

Conversions

Conversions Part 2

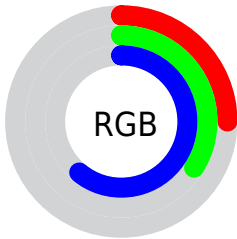
Format	Color
R _{YB}	65, 82, 156
Decimal	4282012
CIE Lab	38.16, 13.90, -40.70
CIE LCh	38, 43.009, 288.855
Yxy	10.1797, 0.2112, 0.1868
Android (android.graphics.Color)	4282472092 (0xFF41569C)
YUV	87.7010, 33.6714, -19.9088
Hunter-Lab	31.9056, 8.5509, -38.6381

Details

The YUV color **87.7010, 33.6714, -19.9088** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **133.2990, -33.6714, 19.9088**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.1790, 35.4078, -16.8200**, and **36.5100, 33.2726, -32.0193** is the 20% darker color. If you saturate the color by 10%, you get **75.8730, 39.5026, -23.5676**, and if you desaturate by 10%, it is **99.5290, 27.8402, -16.2499**.

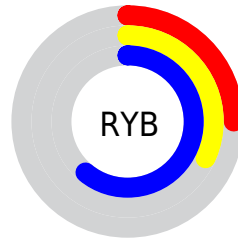
Distribution



Red (25%)

Green (34%)

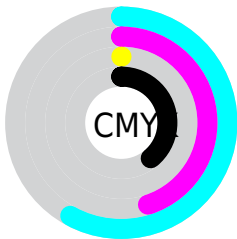
Blue (61%)



Red (25%)

Yellow (32%)

Blue (61%)

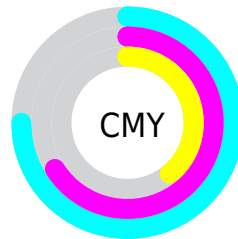


Cyan (58%)

Magenta (45%)

Yellow (0%)

Black (39%)



Cyan (75%)

Magenta (66%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the YUV color 87.7010, 33.6714, -19.9088 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 87.7010, 33.6714, -19.9088 by changing the saturation by 10% instead.

■ 87.7010, 33.6714,
-19.9088

■ 87.7010, 33.6714,
-19.9088

■ 255.0000, 0.0000,
0.0000

■ 62.2660, 33.3929,
-23.9123

■ 139.1790, 35.4078,
-16.8200

■ 36.5100, 33.2726,
-32.0193

■ 166.7060, 36.1339,
-16.4052

■ 22.0340, 28.5772,
-19.3238

■ 192.0500, 31.0344,
-14.0758

■ 6.3840, 24.4607,
-5.5988

■ 216.8580, 18.8040,
-11.2765

■ 5.0500, 14.2723,
-4.4289

■ 242.5520, 6.1369,
-8.3771

■ 0.7980, 3.0576,
-0.6998

■ 0.0000, 0.0000,

0.0000

■ 87.7010, 33.6714,
-19.9088

■ 87.7010, 33.6714,
-19.9088

■ 75.8730, 39.5026,
-23.5676

■ 99.5290, 27.8402,
-16.2499

■ 64.3440, 45.1864,
-26.6117

■ 111.0580, 22.1564,
-13.2059

■ 52.5160, 51.0176,
-30.2705

■ 122.8860, 16.3252,
-9.5470

■ 40.9870, 56.7014,
-33.3146

■ 134.4150, 10.6414,
-6.5030

■ 38.9160, 57.7224,
-34.1293

■ 146.2430, 4.8102,
-2.8441

■ 158.0710, -1.0210,
0.8147

■ 169.6000, -6.7048,
3.8588

■ 181.4280,
-12.5360, 7.5176

■ 192.9570,
-18.2198, 10.5617

Harmonies

Analogous

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



75.5380, 40.6538, -66.2468



87.7010, 33.6714, -19.9088



92.7620, 21.3163, 23.0107

Triad

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



87.7010, 33.6714, -19.9088



87.2930, -24.3014, 47.9780



70.7720, 2.0844, -62.0670

Complementary

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



87.7010, 33.6714, -19.9088



133.2990, -33.6714, 19.9088

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.



77.7040, -18.0951, -29.5584



87.7010, 33.6714, -19.9088



86.1860, -35.5877, 27.9009

Square

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



87.7010, 33.6714, -19.9088



87.6590, -9.1989, 57.3041



83.4880, -33.7646, 3.0800



74.8760, 17.8091, -65.6663

Rectangle

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



87.7010, 33.6714, -19.9088



90.8910, 12.3787, 43.0686



83.4880, -33.7646, 3.0800



68.8170, -2.8678, -60.3525

Sweetspot

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



87.7010, 33.6714, -19.9088



176.5010, 13.5570, -8.3324



126.3970, 4.2413, -53.8452



85.4430, 8.1626, -4.7735



230.0000, 0.0000, 0.0000



102.0000, 0.0000, 0.0000

Same Dimension

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



87.7010, 33.6714, -19.9088



96.6730, 52.9122, -31.2852



82.5500, 36.2108, 5.6566



73.0860, 2.9156, -1.8294



35.6730, 52.9122, -31.2852



4.0580, 5.3944, -3.5589

Inverse Universe

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



94.6030, -4.2413, 53.8452



107.5190, -6.6649, 84.6138



138.4500, -36.2108, -5.6566



73.6200, -0.3057, 4.7183



46.5190, -6.6649, 84.6138



4.9410, -0.4639, 8.8217

Previews

White Background



This preview shows how the YUV color 87.7010, 33.6714, -19.9088 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 87.7010, 33.6714, -19.9088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

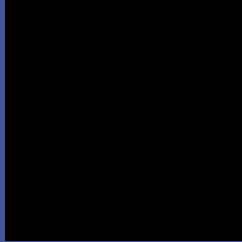
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 87.7010, 33.6714, -19.9088

Background



This preview shows how black text looks on a background with the YUV color 87.7010, 33.6714, -19.9088.



This preview shows how white text looks on a background with the YUV color 87.7010, 33.6714,

-19.9088.

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

87.7010, 33.6714, -19.9088

Protanopia

86.3090, 34.8507, -24.8270

Deuteranopia

82.4490, 35.7676, -38.9818



Tritanopia

82.0650, 11.3070, -33.3830

Trichromacy



Original Color

87.7010, 33.6714, -19.9088

Protanomaly

87.2060, 34.4084, -22.9827

Deuteranomaly

84.2650, 34.8724, -31.8044

Tritanomaly

84.2750, 19.5844, -28.3052

Monochromacy



Original Color

87.7010, 33.6714, -19.9088

Achromatopsia

88.0000, 0.0000, 0.0000

Achromatomaly

87.8710, 12.3886, -6.9029

CSS Examples

Text

The CSS property to change the color of the text to YUV 87.7010, 33.6714, -19.9088 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, 86, 156)` looks like.

```
.text, #text, p{  
    color:rgb(65, 86, 156)  
}
```

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, 86, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 86, 156) }
```

Border

The CSS property to change the border of an element to YUV 87.7010, 33.6714, -19.9088 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, 86, 156) }
```


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

```
.border{ border-color:rgb(65, 86, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 86, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 86, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 86, 156);  
box-shadow:4px 4px 4px 4px rgb(65, 86,  
156) }
```

Background

The CSS property to change the background color of an element to YUV 87.7010, 33.6714, -19.9088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 86, 156) }
```

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

```
.background{ background-color: rgb(65, 86,  
156) }
```

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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