

Converting Colors

YUV(87.3170, 22.5217,
-37.1120)

Have a look what the booklet for
YUV(87.3170, 22.5217, -37.1120)
contains.

YUV(87.3170, 22.5217, -37.1120)	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(87.3170, 22.5217,
-37.1120)**

Conversions

Conversions Part 1

Format	Color
Hex	2D6485
RGB	45, 100, 133
RGB Percent	18%, 39%, 52%
CMY	0.8235, 0.6078, 0.4784
CMYK	0.66, 0.25, 0.00, 0.48
HSL	202°, 49%, 35%
HSV	202°, 66%, 52%
XYZ	9.8730, 11.3657, 23.8637
YIQ	87.3170, -43.3730, -1.3970

Conversions

Conversions Part 2

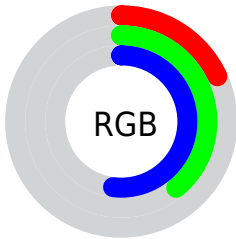
Format	Color
R_{YB}	45, 79, 133
Decimal	2974853
CIE _{Lab}	40.19, -7.16, -23.71
CIE _{LCh}	40, 24.762, 253.198
Yxy	11.3657, 0.2189, 0.2520
Android (android.graphics.Color)	4281164933 (0xFF2D6485)
YUV	87.3170, 22.5217, -37.1120
Hunter-Lab	33.7130, -6.7234, -18.3692

Details

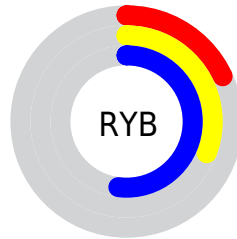
The YUV color **87.3170, 22.5217, -37.1120** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **90.6830, -22.5217, 37.1120**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.7410, 22.8057, -34.8529**, and **41.1600, 20.6271, -36.0973** is the 20% darker color. If you saturate the color by 10%, you get **80.4950, 25.8850, -42.5301**, and if you desaturate by 10%, it is **94.1390, 19.1585, -31.6939**.

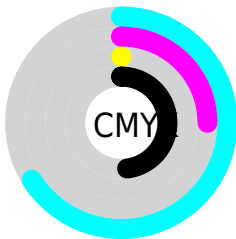
Distribution



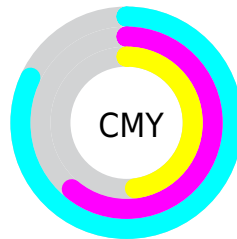
- Red (18%)
- Green (39%)
- Blue (52%)



- Red (18%)
- Yellow (31%)
- Blue (52%)



- Cyan (66%)
- Magenta (25%)
- Yellow (0%)
- Black (48%)



- Cyan (82%)
- Magenta (61%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the YUV color 87.3170, 22.5217, -37.1120 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 87.3170, 22.5217, -37.1120 by changing the saturation by 10% instead.

87.3170, 22.5217,
-37.1120

87.3170, 22.5217,
-37.1120

255.0000, 0.0000,
0.0000

59.3160, 24.0012,
-45.0041

139.7410, 22.8057,
-34.8529

41.1600, 20.6271,
-36.0973

166.5670, 23.3845,
-33.8233

25.6240, 16.9474,
-22.4722

194.2680, 23.5319,
-34.4380

6.6800, 15.4408,
-5.8584

220.5580, 16.9799,
-32.9384

2.4110, 6.6994,
-2.1144

242.1430, 6.3385,
-26.4354

0.0000, 0.0000,
0.0000

250.8140, 2.0637,

-8.6069

■ 87.3170, 22.5217,
-37.1120

■ 87.3170, 22.5217,
-37.1120

■ 80.4950, 25.8850,
-42.5301

■ 94.1390, 19.1585,
-31.6939

■ 73.3740, 29.3956,
-48.5630

■ 101.2600, 15.6478,
-25.6610

■ 66.5520, 32.7589,
-53.9811

■ 108.0820, 12.2846,
-20.2429

■ 63.8830, 34.0747,
-56.0254

■ 114.9040, 8.9213,
-14.8248

■ 122.0250, 5.4107,
-8.7919

■ 128.8470, 2.0474,
-3.3738

■ 135.6690, -1.3158,
2.0443

■ 142.4910, -4.6791,
7.4624

■ 149.6120, -8.1897,
13.4953

Harmonies

Analogous

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



77.6470, 21.8660, -60.2034



87.3170, 22.5217, -37.1120



94.3740, 19.5356, -12.6060

Triad

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



87.3170, 22.5217, -37.1120



96.2430, -5.0498, 33.1129



90.3070, -12.4764, -11.6702

Complementary

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



87.3170, 22.5217, -37.1120



90.6830, -22.5217, 37.1120

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.



92.2230, -18.3509, 5.9434



87.3170, 22.5217, -37.1120



95.3430, -13.4801, 30.3942

Square

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



87.3170, 22.5217, -37.1120



97.1310, 4.8654, 26.1951



94.4960, -18.9785, 20.6130



86.2320, -2.0864, -30.8985

Rectangle

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



87.3170, 22.5217, -37.1120



96.8490, 15.8504, 2.7634



94.4960, -18.9785, 20.6130



90.9550, -15.2608, -5.2225

Sweetspot

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



87.3170, 22.5217, -37.1120



155.2030, 8.7739, -14.2100



100.3040, -11.4889, -48.5016



76.0250, 5.4107, -8.7919



214.0000, 0.0000, 0.0000



87.0000, 0.0000, 0.0000

Same Dimension

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



87.3170, 22.5217, -37.1120



102.1000, 34.9537, -57.9697



62.0760, 34.9655, -14.9757



63.0320, 1.4632, -2.6591



62.3670, 33.3431, -54.6959



1.5160, 0.7316, -1.3295

Inverse Universe

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



77.5820, 11.0521, 48.6016



86.7670, 17.3699, 75.6263



115.9240, -34.9655, 14.9757



62.2500, 0.8628, 3.2888



48.1040, 16.2177, 71.8228



1.1250, 0.4314, 1.6444

Previews

White Background



This preview shows how the YUV color 87.3170, 22.5217, -37.1120 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 87.3170, 22.5217, -37.1120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

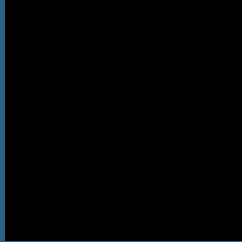
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 87.3170, 22.5217, -37.1120

Background



This preview shows how black text looks on a background with the YUV color 87.3170, 22.5217, -37.1120.

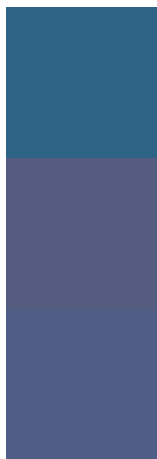


This preview shows how white text looks on a background with the YUV color 87.3170, 22.5217,

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

87.3170, 22.5217, -37.1120

Protanopia

94.2990, 16.6146, -9.0322

Deuteranopia

93.6020, 20.4092, -12.8060



Tritanopia

83.6830, 13.9603, -44.4490

Trichromacy



Original Color

87.3170, 22.5217, -37.1120

Protanomaly

92.1020, 18.6837, -19.3835

Deuteranomaly

91.6610, 20.8731, -21.6277

Tritanomaly

85.2040, 17.1544, -42.2749

Monochromacy



Original Color

87.3170, 22.5217, -37.1120

Achromatopsia

87.0000, 0.0000, 0.0000

Achromatomaly

87.3880, 8.1897, -13.4953

CSS Examples

Text

The CSS property to change the color of the text to YUV 87.3170, 22.5217, -37.1120 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(45, 100, 133)` looks like.

```
.text, #text, p{  
    color:rgb(45, 100, 133)  
}
```

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(45, 100, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 100, 133) }
```

Border

The CSS property to change the border of an element to YUV 87.3170, 22.5217, -37.1120 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(45, 100, 133) }
```


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

```
.border{ border-color:rgb(45, 100, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 100, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 100, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 100, 133);  
box-shadow:4px 4px 4px 4px rgb(45, 100,  
133) }
```

Background

The CSS property to change the background color of an element to YUV 87.3170, 22.5217, -37.1120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 100, 133) }
```

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

```
.background{ background-color: rgb(45, 100,  
133) }
```

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