

Converting Colors

YUV(87.0810, 24.1171, 11.3300)

Have a look what the booklet for
YUV(87.0810, 24.1171, 11.3300)
contains.

YUV(87.0810, 24.1171, 11.3300)	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(87.0810, 24.1171,
11.3300)**

Conversions

Conversions Part 1

Format	Color
Hex	644788
RGB	100, 71, 136
RGB Percent	39%, 28%, 53%
CMY	0.6078, 0.7216, 0.4667
CMYK	0.26, 0.48, 0.00, 0.47
HSL	267°, 31%, 41%
HSV	267°, 48%, 53%
XYZ	11.9527, 8.9934, 24.3985
YIQ	87.0810, -3.5810, 26.3630

Conversions

Conversions Part 2

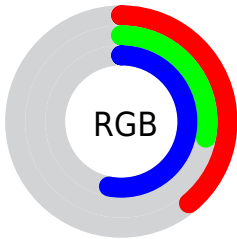
Format	Color
R_{YB}	100, 71, 136
Decimal	6571912
CIE _{Lab}	35.97, 26.49, -31.87
CIE _{LCh}	36, 41.442, 309.729
Yxy	8.9934, 0.2636, 0.1983
Android (android.graphics.Color)	4284761992 (0xFF644788)
YUV	87.0810, 24.1171, 11.3300
Hunter-Lab	29.9890, 18.6641, -27.2450

Details

The YUV color **87.0810, 24.1171, 11.3300** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **119.9190, -24.1171, -11.3300**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **137.5480, 25.8588, 12.6744**, and **40.0160, 22.6701, 8.7560** is the 20% darker color. If you saturate the color by 10%, you get **76.4710, 29.3478, 13.6189**, and if you desaturate by 10%, it is **97.6910, 18.8863, 9.0410**.

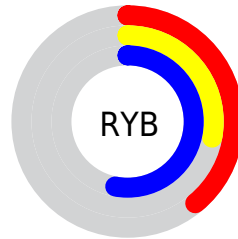
Distribution



Red (39%)

Green (28%)

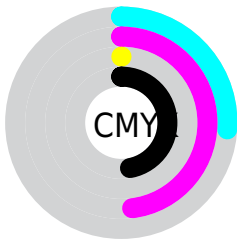
Blue (53%)



Red (39%)

Yellow (28%)

Blue (53%)

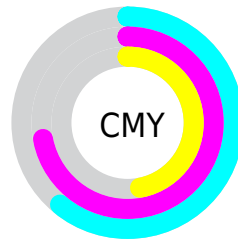


Cyan (26%)

Magenta (48%)

Yellow (0%)

Black (47%)



Cyan (61%)

Magenta (72%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the YUV color 87.0810, 24.1171, 11.3300 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 87.0810, 24.1171, 11.3300 by changing the saturation by 10% instead.

87.0810, 24.1171,
11.3300

87.0810, 24.1171,
11.3300

255.0000, 0.0000,
0.0000

63.1410, 23.1015,
10.4003

137.5480, 25.8588,
12.6744

40.0160, 22.6701,
8.7560

164.3740, 26.4376,
13.7040

17.4890, 21.9439,
8.3411

191.7870, 26.7270,
14.2188

4.5600, 17.4719,
-3.9991

217.0340, 18.7172,
16.6332

2.5250, 7.1362,
-2.2144

239.1510, 7.8136,
13.8996

0.0000, 0.0000,
0.0000

■ 87.0810, 24.1171,
11.3300

■ 87.0810, 24.1171,
11.3300

■ 76.4710, 29.3478,
13.6189

■ 97.6910, 18.8863,
9.0410

■ 66.7470, 34.1417,
16.0079

■ 107.4150, 14.0924,
6.6520

■ 56.1370, 39.3725,
18.2969

■ 118.0250, 8.8617,
4.3631

■ 46.4130, 44.1664,
20.6858

■ 127.7490, 4.0677,
1.9741

■ 35.8030, 49.3971,
22.9748

■ 138.3590, -1.1630,
-0.3148


■ 33.7430, 50.4127,
23.9044

■ 148.6700, -6.2463,
-3.2186

■ 158.6930,
-11.1876, -4.9928

■ 169.0040,

-16.2710, -7.8965

 179.0270,
-21.2123, -9.6707

Harmonies

Analogous

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



76.8620, 36.0570, -38.4670



87.0810, 24.1171, 11.3300



85.5380, 11.0738, 41.6242

Triad

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



87.0810, 24.1171, 11.3300



81.9570, -31.5308, 33.3637



69.5300, 12.5567, -60.9778

Complementary

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



87.0810, 24.1171, 11.3300



119.9190, -24.1171, -11.3300

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.



64.9530, -2.4418, -56.9638



87.0810, 24.1171, 11.3300



78.7170, -34.3705, 10.7722

Square

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



87.0810, 24.1171, 11.3300



82.3840, -18.9233, 49.6522



74.9290, -22.6430, -17.4777



72.4770, 26.3868, -63.5623

Rectangle

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



87.0810, 24.1171, 11.3300



83.6720, 1.1477, 52.0307



74.9290, -22.6430, -17.4777



68.1620, 7.3151, -59.7781

Sweetspot

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



87.0810, 24.1171, 11.3300



157.1390, 9.2985, 4.2631



100.1290, 17.6844, -25.5461



77.8030, 5.5201, 2.8038



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.



87.0810, 24.1171, 11.3300



100.5560, 37.1939, 17.0524



96.6490, 19.4000, 31.0028



63.6950, 2.6154, 1.1445



32.8030, 49.3971, 22.9748



1.1680, 1.8892, 0.7297

Inverse Universe

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



94.5390, 6.1433, 36.3613



112.1700, 9.2832, 55.9789



110.3510, -19.4000, -31.0028



64.5490, 0.7153, 3.9035



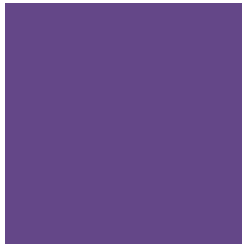
48.0890, 12.2811, 74.4669



1.8370, 0.5734, 2.7740

Previews

White Background



This preview shows how the YUV color 87.0810, 24.1171, 11.3300 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 87.0810, 24.1171, 11.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

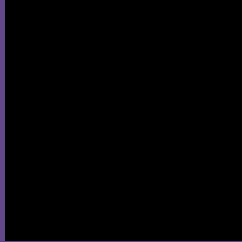
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 87.0810, 24.1171, 11.3300

Background



This preview shows how black text looks on a background with the YUV color 87.0810, 24.1171, 11.3300.



This preview shows how white text looks on a background with the YUV color 87.0810, 24.1171,

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

87.0810, 24.1171, 11.3300

Protanopia

82.2230, 31.9351, -22.9976

Deuteranopia

82.6980, 24.7989, -20.7831



Tritanopia

85.4890, 1.7309, 4.8331

Trichromacy



Original Color

87.0810, 24.1171, 11.3300

Protanomaly

84.2030, 28.9869, -10.7020

Deuteranomaly

84.3620, 24.4715, -9.0875

Tritanomaly

85.9760, 9.8718, 7.0370

Monochromacy



Original Color

87.0810, 24.1171, 11.3300

Achromatopsia

87.0000, 0.0000, 0.0000

Achromatomaly

87.0250, 8.8617, 4.3631

CSS Examples

Text

The CSS property to change the color of the text to YUV 87.0810, 24.1171, 11.3300 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(100, 71, 136)` looks like.

```
.text, #text, p{  
    color:rgb(100, 71, 136)  
}
```

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(100, 71, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 71, 136) }
```

Border

The CSS property to change the border of an element to YUV 87.0810, 24.1171, 11.3300 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(100, 71, 136) }
```


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

```
.border{ border-color:rgb(100, 71, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 71, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 71, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 71, 136);  
box-shadow:4px 4px 4px 4px rgb(100, 71,  
136) }
```

Background

The CSS property to change the background color of an element to YUV 87.0810, 24.1171, 11.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 71, 136) }
```

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

```
.background{ background-color: rgb(100, 71,  
136) }
```

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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