

Converting Colors

YUV(87.1720, 29.4952, 13.0042)

Have a look what the booklet for
YUV(87.1720, 29.4952, 13.0042)
contains.

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Color

**YUV(87.1720, 29.4952,
13.0042)**

Conversions

Conversions Part 1

Format	Color
Hex	664493
RGB	102, 68, 147
RGB Percent	40%, 27%, 58%
CMY	0.6000, 0.7333, 0.4235
CMYK	0.31, 0.54, 0.00, 0.42
HSL	266°, 37%, 42%
HSV	266°, 54%, 58%
XYZ	12.8131, 9.0656, 28.6783
YIQ	87.1720, -5.0950, 31.7770

Conversions

Conversions Part 2

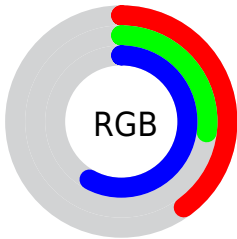
Format	Color
RYB	102, 68, 147
Decimal	6702227
CIELab	36.11, 31.76, -38.36
CIElCh	36, 49.800, 309.627
Yxy	9.0656, 0.2534, 0.1793
Android (android.graphics.Color)	4284892307 (0xFF664493)
YUV	87.1720, 29.4952, 13.0042
Hunter-Lab	30.1091, 23.2704, -35.3960

Details

The YUV color **87.1720, 29.4952, 13.0042** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **127.8280, -29.4952, -13.0042**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **138.0520, 31.5264, 14.8634**, and **39.1070, 28.0482, 10.4302** is the 20% darker color. If you saturate the color by 10%, you get **75.9750, 35.0153, 15.8079**, and if you desaturate by 10%, it is **98.3690, 23.9751, 10.2004**.

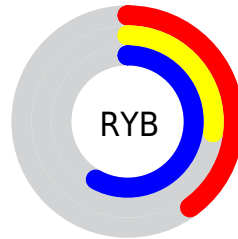
Distribution



Red (40%)

Green (27%)

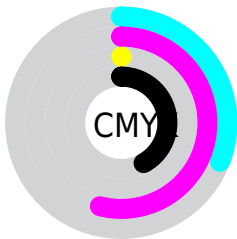
Blue (58%)



Red (40%)

Yellow (27%)

Blue (58%)

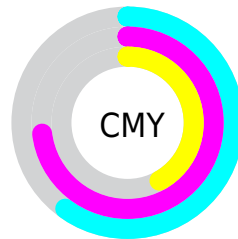


Cyan (31%)

Magenta (54%)

Yellow (0%)

Black (42%)



Cyan (60%)

Magenta (73%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the YUV color 87.1720, 29.4952, 13.0042 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 87.1720, 29.4952, 13.0042 by changing the saturation by 10% instead.

87.1720, 29.4952,
13.0042

87.1720, 29.4952,
13.0042

255.0000, 0.0000,
0.0000

62.9330, 28.6270,
11.4598

138.0520, 31.5264,
14.8634

39.1070, 28.0482,
10.4302

164.8780, 32.1051,
15.8930

15.5690, 27.3275,
8.2710

191.9490, 31.0841,
16.7077

5.4720, 20.9663,
-4.7989

216.4690, 18.9958,
20.6367

3.6650, 11.5042,
-3.2142

237.9770, 8.3923,
14.9292

0.0000, 0.0000,
0.0000

254.4130, 0.2894,

0.5148

■ 87.1720, 29.4952,
13.0042

■ 87.1720, 29.4952,
13.0042

■ 75.9750, 35.0153,
15.8079

■ 98.3690, 23.9751,
10.2004

■ 65.0660, 40.3935,
17.4821

■ 109.2780, 18.5969,
8.5262

■ 53.8690, 45.9136,
20.2859

■ 120.4750, 13.0768,
5.7224

■ 42.6720, 51.4337,
23.0897

■ 131.6720, 7.5567,
2.9187

■ 35.5950, 54.9227,
24.0342

■ 143.1680, 1.8892,
0.7297

■ 153.7780, -3.3416,
-1.5593

■ 165.2740, -9.0091,
-3.7483

■ 176.4710,
-14.5292, -6.5521

■ 187.0810,
-19.7599, -8.8410

Harmonies

Analogous

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



69.1780, 46.7472, -60.6691



87.1720, 29.4952, 13.0042



83.6300, 14.9724, 51.1905

Triad

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



87.1720, 29.4952, 13.0042



80.2260, -39.5514, 39.2668



71.5190, 12.5621, -62.7222

Complementary

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



87.1720, 29.4952, 13.0042



127.8280, -29.4952, -13.0042

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.



65.5570, -5.2046, -57.4935



87.1720, 29.4952, 13.0042



78.2780, -38.5911, 11.1572

Square

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



87.1720, 29.4952, 13.0042



80.0540, -21.7186, 59.5886



71.8870, -29.0313, -21.8259



75.2640, 29.4498, -66.0065

Rectangle

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



87.1720, 29.4952, 13.0042



79.7320, 3.5831, 64.2560



71.8870, -29.0313, -21.8259



69.9230, 6.4470, -61.3225

Sweetspot

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



87.1720, 29.4952, 13.0042



168.3070, 11.1876, 4.9928



104.0080, 21.1951, -31.5790



82.5580, 7.1199, 3.0186



224.0000, 0.0000, 0.0000



97.0000, 0.0000, 0.0000

Same Dimension

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



87.1720, 29.4952, 13.0042



98.7550, 45.4768, 20.3859



98.5340, 23.8937, 36.3657



68.6950, 2.6154, 1.1445



33.3730, 51.5811, 22.4749



2.3360, 3.7784, 1.4593

Inverse Universe

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



96.7510, 8.0108, 44.0684



113.4580, 12.5922, 68.0043



116.4660, -23.8937, -36.3657



69.5490, 0.7153, 3.9035



50.1540, 13.7281, 77.0409



3.6740, 1.1467, 5.5479

Previews

White Background



This preview shows how the YUV color 87.1720, 29.4952, 13.0042 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 87.1720, 29.4952, 13.0042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

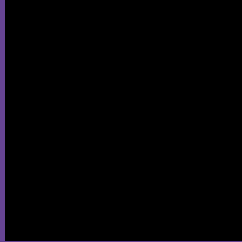
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 87.1720, 29.4952, 13.0042

Background



This preview shows how black text looks on a background with the YUV color 87.1720, 29.4952, 13.0042.



This preview shows how white text looks on a background with the YUV color 87.1720, 29.4952,

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

87.1720, 29.4952, 13.0042

Protanopia

79.7470, 40.5507, -33.1041

Deuteranopia

80.2390, 30.9412, -30.9046



Tritanopia

86.0760, 1.4415, 4.3183

Trichromacy



Original Color

87.1720, 29.4952, 13.0042

Protanomaly

82.8200, 36.5707, -16.5051

Deuteranomaly

82.5230, 30.3082, -14.4907

Tritanomaly

86.7310, 11.4716, 7.2519

Monochromacy



Original Color

87.1720, 29.4952, 13.0042

Achromatopsia

87.0000, 0.0000, 0.0000

Achromatomaly

86.8940, 10.8983, 4.4780

CSS Examples

Text

The CSS property to change the color of the text to YUV 87.1720, 29.4952, 13.0042 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(102, 68, 147)` looks like.

```
.text, #text, p{  
    color:rgb(102, 68, 147)  
}
```

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(102, 68, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 68, 147) }
```

Border

The CSS property to change the border of an element to YUV 87.1720, 29.4952, 13.0042 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(102, 68, 147) }
```


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

```
.border{ border-color:rgb(102, 68, 147) }
```

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

Here you see how a box with a 4 pixel rgb(102, 68, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 68, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 68, 147);  
box-shadow:4px 4px 4px 4px rgb(102, 68,  
147) }
```

Background

The CSS property to change the background color of an element to YUV 87.1720, 29.4952, 13.0042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 68, 147) }
```

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

```
.background{ background-color: rgb(102, 68,  
147) }
```

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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