

Converting Colors

YUV(84.9720, -13.7902,
83.3396)

Have a look what the booklet for
YUV(84.9720, -13.7902, 83.3396)
contains.

YUV(84.9720, -13.7902, 83.3396)	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(84.9720, -13.7902,
83.3396)**

Conversions

Conversions Part 1

Format	Color
Hex	B42A39
RGB	180, 42, 57
RGB Percent	71%, 16%, 22%
CMY	0.2941, 0.8353, 0.7765
CMYK	0.00, 0.77, 0.68, 0.29
HSL	353°, 62%, 44%
HSV	353°, 77%, 71%
XYZ	20.3889, 11.6546, 5.0459
YIQ	84.9720, 77.4330, 33.9210

Conversions

Conversions Part 2

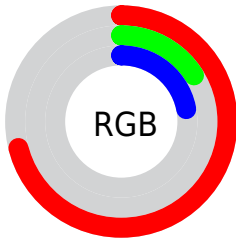
Format	Color
RYB	180, 42, 57
Decimal	11807289
CIELab	40.66, 55.08, 25.85
CIElCh	41, 60.845, 25.146
Yxy	11.6546, 0.5497, 0.3142
Android (android.graphics.Color)	4289997369 (0xFFB42A39)
YUV	84.9720, -13.7902, 83.3396
Hunter-Lab	34.1389, 46.8631, 15.1339

Details

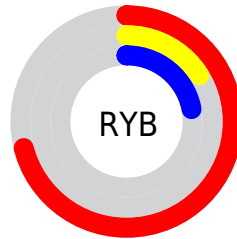
The YUV color **84.9720, -13.7902, 83.3396** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **137.0280, 13.7902, -83.3396**, and the grayscale version is **85.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **142.9140, -19.1846, 86.8984**, and **37.5900, -11.1369, 72.2736** is the 20% darker color. If you saturate the color by 10%, you get **72.5820, -15.5699, 94.2056**, and if you desaturate by 10%, it is **97.3620, -12.0105, 72.4735**.

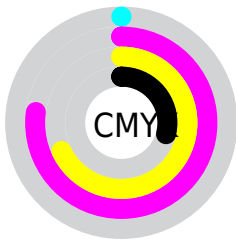
Distribution



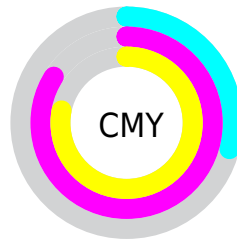
- Red (71%)
- Green (16%)
- Blue (22%)



- Red (71%)
- Yellow (16%)
- Blue (22%)



- Cyan (0%)
- Magenta (77%)
- Yellow (68%)
- Black (29%)





- Cyan (29%)
- Magenta (84%)
- Yellow (78%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the YUV color 84.9720, -13.7902, 83.3396 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 84.9720, -13.7902, 83.3396 by changing the saturation by 10% instead.


 84.9720, -13.7902,
83.3396


 84.9720, -13.7902,
83.3396


255.0000, 0.0000,
0.0000

 48.9540, -6.3863,
88.6173


 142.9140,
-19.1846, 86.8984


 37.5900, -11.1369,
72.2736


 165.5000,
-17.9945, 78.4915


 26.9100, -13.2666,
55.3299

 184.9000,
-14.7407, 61.4777

 19.0650, -8.4130,
38.5310

 204.4140,
-11.0501, 44.3639

 8.4860, -3.6906,
17.1138

 224.5150, -7.6489,
26.7353

 0.0000, 0.0000,
0.0000

 244.8440, -3.3741,

■ 84.9720, -13.7902,
83.3396

■ 84.9720, -13.7902,
83.3396

■ 72.5820, -15.5699,
94.2056

■ 97.3620, -12.0105,
72.4735

■ 60.1920, -17.3497,
105.0716

■ 109.7520,
-10.2307, 61.6075

■ 56.1000, -17.7973,
108.6603

■ 122.1420, -8.4510,
50.7415

■ 134.5320, -6.6713,
39.8754

■ 146.9220, -4.8915,
29.0094

■ 159.3120, -3.1118,
18.1434

■ 171.7020, -1.3321,
7.2773

■ 184.0920, 0.4476,
-3.5887

■ 196.4820, 2.2274,
-14.4547

Harmonies

Analogous

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



85.2640, 10.2228, 81.3295



84.9720, -13.7902, 83.3396



88.5000, -41.6585, 61.8285

Triad

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



84.9720, -13.7902, 83.3396



70.0930, -18.2868, -61.4716



83.9790, 55.2264, -73.6496

Complementary

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



84.9720, -13.7902, 83.3396



137.0280, 13.7902, -83.3396

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.



87.2100, 44.7595, -76.4832



84.9720, -13.7902, 83.3396



78.4830, 3.7059, -68.8296

Square

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



84.9720, -13.7902, 83.3396



84.3590, -41.5890, -7.3308



84.2970, 25.9826, -73.9285



93.3280, 46.1803, -18.7047

Rectangle

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



84.9720, -13.7902, 83.3396



90.2710, -44.5036, 40.9813



84.2970, 25.9826, -73.9285



85.9850, 52.7584, -75.4088

Sweetspot

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



84.9720, -13.7902, 83.3396



197.8300, -5.3392, 32.5981



94.2100, 42.2945, 61.2058



94.3230, -3.1172, 19.8877



245.0000, 0.0000, 0.0000



117.0000, 0.0000, 0.0000

Same Dimension

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



84.9720, -13.7902, 83.3396



86.2060, -21.7936, 130.4923



114.3730, -35.6799, 57.5549



82.8050, -0.8899, 5.4330



47.6850, -15.1277, 92.3613



8.1160, -2.5222, 15.6843

Inverse Universe

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



84.9720, -13.7902, 83.3396



86.2060, -21.7936, 130.4923



107.6270, 35.6799, -57.5549



82.8050, -0.8899, 5.4330



47.6850, -15.1277, 92.3613



8.1160, -2.5222, 15.6843

Previews

White Background



This preview shows how the YUV color 84.9720, -13.7902, 83.3396 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 84.9720, -13.7902, 83.3396 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 84.9720, -13.7902, 83.3396

Background



This preview shows how black text looks on a background with the YUV color 84.9720, -13.7902, 83.3396.



This preview shows how white text looks on a background with the YUV color 84.9720, -13.7902,

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

84.9720, -13.7902, 83.3396

Protanopia

96.6280, -9.1836, 5.5882

Deuteranopia

95.1710, -22.7623, 20.8980



Tritanopia

84.7780, -19.6106, 83.5097

Trichromacy



Original Color

84.9720, -13.7902, 83.3396

Protanomaly

92.3480, -11.0176, 33.8978

Deuteranomaly

91.5250, -19.4858, 43.3896

Tritanomaly

84.6470, -17.5740, 83.6246

Monochromacy



Original Color

84.9720, -13.7902, 83.3396

Achromatopsia

85.0000, 0.0000, 0.0000

Achromatomaly

84.9330, -4.8970, 30.7538

CSS Examples

Text

The CSS property to change the color of the text to YUV 84.9720, -13.7902, 83.3396 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(180, 42, 57)` looks like.

```
.text, #text, p{  
    color:rgb(180, 42, 57)  
}
```

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(180, 42, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 42, 57) }
```

Border

The CSS property to change the border of an element to YUV 84.9720, -13.7902, 83.3396 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(180, 42, 57) }
```


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

```
.border{ border-color:rgb(180, 42, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 42, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 42, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 42, 57);  
box-shadow:4px 4px 4px 4px rgb(180, 42,  
57) }
```

Background

The CSS property to change the background color of an element to YUV 84.9720, -13.7902, 83.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 42, 57) }
```

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

```
.background{ background-color: rgb(180, 42,  
57) }
```

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