

Converting Colors

YUV(49.7520, -3.3287, 87.9175)

Have a look what the booklet for
YUV(49.7520, -3.3287, 87.9175)
contains.

YUV(49.7520, -3.3287, 87.9175)	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(49.7520, -3.3287,
87.9175)**

Conversions

Conversions Part 1

Format	Color
Hex	96002B
RGB	150, 0, 43
RGB Percent	59%, 0%, 17%
CMY	0.4118, 1.0000, 0.8314
CMYK	0.00, 1.00, 0.71, 0.41
HSL	343°, 100%, 29%
HSV	343°, 100%, 59%
XYZ	13.0137, 6.6584, 2.8848
YIQ	49.7520, 75.5970, 45.1730

Conversions

Conversions Part 2

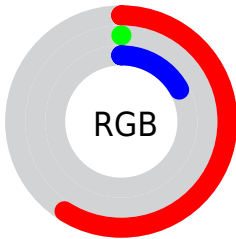
Format	Color
RYB	150, 0, 43
Decimal	9830443
CIELab	31.02, 55.05, 21.44
CIELCh	31, 59.077, 21.279
Yxy	6.6584, 0.5769, 0.2952
Android (android.graphics.Color)	4288020523 (0xFF96002B)
YUV	49.7520, -3.3287, 87.9175
Hunter-Lab	25.8040, 44.8660, 11.4343

Details

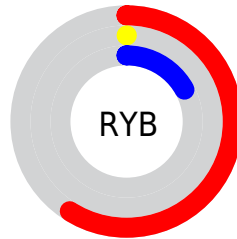
The YUV color **49.7520, -3.3287, 87.9175** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **100.2480, 3.3287, -87.9175**, and the grayscale version is **50.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **115.9720, -13.7902, 83.3396**, and **27.2090, -13.4140, 55.9447** is the 20% darker color. If you saturate the color by 10%, you get **49.7520, -3.3287, 87.9175**, and if you desaturate by 10%, it is **59.8110, -2.8648, 79.0958**.

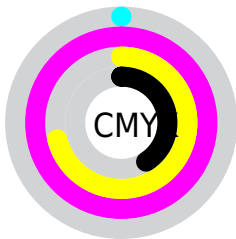
Distribution



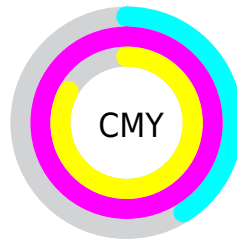
- Red (59%)
- Green (0%)
- Blue (17%)



- Red (59%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (41%)



- Cyan (41%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the YUV color 49.7520, -3.3287, 87.9175 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 49.7520, -3.3287, 87.9175 by changing the saturation by 10% instead.

■ 49.7520, -3.3287,
87.9175

■ 49.7520, -3.3287,
87.9175

255.0000, 0.0000,
0.0000

■ 38.5020, -7.6425,
71.4737

■ 115.9720,
-13.7902, 83.3396

■ 27.2090, -13.4140,
55.9447

■ 144.4130,
-15.9796, 85.5838

■ 19.0650, -8.4130,
38.5310

■ 167.1130,
-14.3527, 77.0769

■ 9.0840, -3.9854,
18.3433

■ 186.5130,
-11.0989, 60.0631

■ 0.0000, 0.0000,
0.0000

■ 206.6140, -7.6977,
42.4345

■ 226.2420, -3.5703,

25.2208

247.0440, -0.0217,
6.9774

49.7520, -3.3287,
87.9175

59.8110, -2.8648,
79.0958

69.7560, -2.8377,
70.3740

79.8150, -2.3738,
61.5522

89.8740, -1.9099,
52.7305

99.8190, -1.8828,
44.0087

■ 109.8780, -1.4189,
35.1870

■ 119.9370, -0.9549,
26.3653

■ 129.9960, -0.4910,
17.5435

■ 139.9410, -0.4639,
8.8217

Harmonies

Analogous

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



53.8000, 17.3536, 80.8594



49.7520, -3.3287, 87.9175



65.0080, -32.0489, 59.6290

Triad

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



49.7520, -3.3287, 87.9175



51.7700, -25.0296, -45.4023



67.6450, 48.4890, -59.3247

Complementary

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



49.7520, -3.3287, 87.9175



100.2480, 3.3287, -87.9175

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.



69.3600, 37.2905, -60.8287



49.7520, -3.3287, 87.9175



60.0290, -1.0003, -52.6454

Square

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



49.7520, -3.3287, 87.9175



64.6010, -31.8483, -4.9121



66.0880, 19.6766, -57.9592



61.1570, 48.7296, -43.1107

Rectangle

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



49.7520, -3.3287, 87.9175



69.0070, -34.0205, 38.5819



66.0880, 19.6766, -57.9592



68.9500, 45.8736, -60.4691

Sweetspot

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



49.7520, -3.3287, 87.9175



155.1660, -1.5608, 34.0574



48.4950, 50.0420, 49.5549



73.6050, -0.7913, 20.5174



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.



49.7520, -3.3287, 87.9175



64.3900, -4.1363, 113.6680



62.4600, -30.7928, 76.7726



69.3210, -0.1583, 4.1035



45.7080, -3.3070, 80.9401



3.3320, -0.1637, 5.8478

Inverse Universe

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



49.7520, -3.3287, 87.9175



64.3900, -4.1363, 113.6680



87.5400, 30.7928, -76.7726



69.3210, -0.1583, 4.1035



45.7080, -3.3070, 80.9401



3.3320, -0.1637, 5.8478

Previews

White Background



This preview shows how the YUV color 49.7520, -3.3287, 87.9175 looks on a white background.

Color Contrast Check

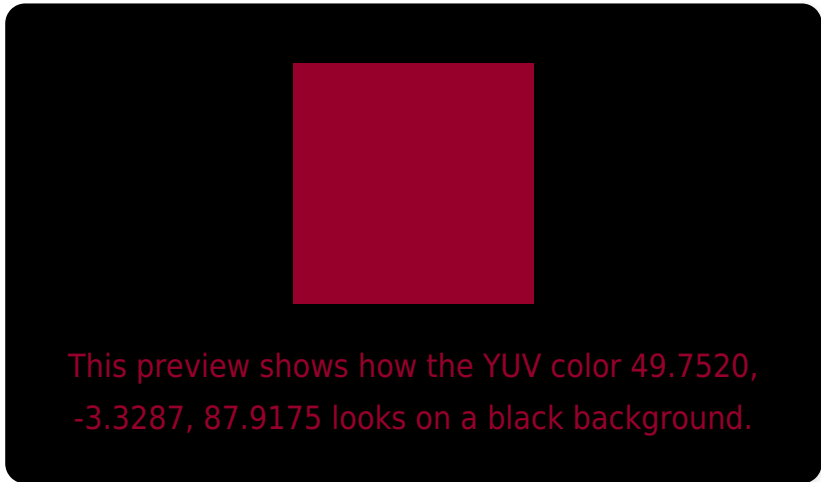
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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 49.7520, -3.3287, 87.9175

Background



This preview shows how black text looks on a background with the YUV color 49.7520, -3.3287, 87.9175.



This preview shows how white text looks on a background with the YUV color 49.7520, -3.3287,

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

49.7520, -3.3287, 87.9175

Protanopia

76.1270, -5.9786, 4.2736

Deuteranopia

74.9470, -19.6939, 16.7095



Tritanopia

56.7130, -21.0575, 80.9357

Trichromacy



Original Color

49.7520, -3.3287, 87.9175

Protanomaly

66.2540, -5.0552, 34.8572

Deuteranomaly

65.4200, -13.5181, 42.6047

Tritanomaly

53.8580, -14.2270, 83.4395

Monochromacy



Original Color

49.7520, -3.3287, 87.9175

Achromatopsia

50.0000, 0.0000, 0.0000

Achromatomaly

49.8560, -1.4080, 31.6983

CSS Examples

Text

The CSS property to change the color of the text to YUV 49.7520, -3.3287, 87.9175 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(150, 0, 43)` looks like.

```
.text, #text, p{  
  color:rgb(150, 0, 43)  
}
```

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(150, 0, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 0, 43) }
```

Border

The CSS property to change the border of an element to YUV 49.7520, -3.3287, 87.9175 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(150, 0, 43) }
```


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

```
.border{ border-color:rgb(150, 0, 43) }
```

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

Here you see how a box with a 4 pixel rgb(150, 0, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 0, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 0, 43);  
box-shadow:4px 4px 4px 4px rgb(150, 0, 43)  
}
```

Background

The CSS property to change the background color of an element to YUV 49.7520, -3.3287, 87.9175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 0, 43) }
```

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

```
.background{ background-color: rgb(150, 0,  
43) }
```

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