

Converting Colors

YUV(44.2520, -21.8162,
90.9870)

Have a look what the booklet for
YUV(44.2520, -21.8162, 90.9870)
contains.

YUV(44.2520, -21.8162, 90.9870)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	18
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	24

Color

**YUV(44.2520, -21.8162,
90.9870)**

Conversions

Conversions Part 1

Format	Color
Hex	940000
RGB	148, 0, 0
RGB Percent	58%, 0%, 0%
CMY	0.4196, 1.0000, 1.0000
CMYK	0.00, 1.00, 1.00, 0.42
HSL	0°, 100%, 29%
HSV	0°, 100%, 58%
XYZ	12.2127, 6.2959, 0.5715

Conversions

Conversions Part 2

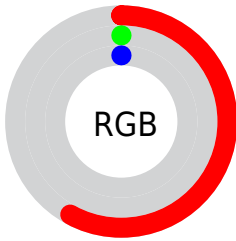
Format	Color
R _Y B	148, 0, 0
Decimal	9699328
CIE Lab	30.15, 53.40, 43.80
CIE LCh	30, 69.064, 39.363
Yxy	6.2959, 0.6401, 0.3300
Android (android.graphics.Color)	4287889408 (0xFF940000)
YUV	44.2520, -21.8162, 90.9870

Details

The YUV color **44.2520, -21.8162, 90.9870** is a dark color, and the **websafe** version is hex **990000**. A complement of this color would be **103.7480, 21.8162, -90.9870**, and the grayscale version is **44.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **110.4120, -31.2621, 87.3387**, and **26.0130, -12.8244, 53.4856** is the 20% darker color. If you saturate the color by 10%, you get **44.2520, -21.8162, 90.9870**, and if you desaturate by 10%, it is **54.7670, -19.6051, 81.7653**.

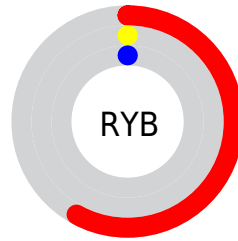
Distribution



Red (58%)

Green (0%)

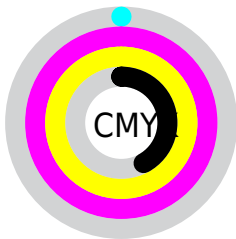
Blue (0%)



Red (58%)

Yellow (0%)

Blue (0%)

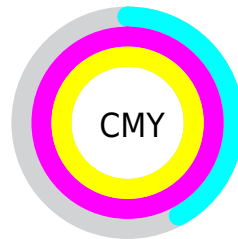


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (42%)



Cyan (42%)

Magenta (100%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the YUV color 44.2520, -21.8162, 90.9870 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 44.2520, -21.8162, 90.9870 by changing the saturation by 10% instead.

■ 44.2520, -21.8162,
90.9870

■ 80.9110, -28.0571,
86.0241

■ 110.4120,
-31.2621, 87.3387

■ 138.5650,
-33.3095, 90.7125

■ 161.0370,
-32.5562, 82.4056

■ 180.3230,
-29.7392, 65.4917

■ 199.7230,
-26.4854, 48.4779

■ 219.8240,
-23.0842, 30.8494

■ 240.0390,
-19.2462, 13.1208

■ 252.0360,
-11.3567, 2.5994

■ 44.2520, -21.8162,
90.9870

■ 34.9830, -17.2466,
71.9289

■ 26.0130, -12.8244,
53.4856

■ 18.1680, -7.9708,
36.6867

■ 6.8770, -3.3904,
14.1399

■ 0.0000, 0.0000,
0.0000

■ 44.2520, -21.8162,
90.9870

■ 54.7670, -19.6051,
81.7653

■ 65.2820, -17.3940,
72.5437

■ 75.0960, -15.3303,
63.9368

■ 85.6110, -13.1192,
54.7152

■ 96.1260, -10.9081,
45.4935

■ 106.6410, -8.6970,
36.2718

■ 117.1560, -6.4859,
27.0502

■ 126.9700, -4.4222,
18.4433

■ 137.4850, -2.2111,
9.2217

Harmonies

Analogous

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



54.3380, 1.3124, 92.6656



44.2520, -21.8162, 90.9870



66.0940, -32.5843, 44.6446

Triad

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



44.2520, -21.8162, 90.9870



56.1360, -13.3780, -49.2313



63.9580, 57.2087, -56.0912

Complementary

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



44.2520, -21.8162, 90.9870



103.7480, 21.8162, -90.9870

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.



70.9050, 50.8258, -62.1837



44.2520, -21.8162, 90.9870



63.9220, 11.3775, -56.0596

Square

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



44.2520, -21.8162, 90.9870



49.8950, -24.5982, -43.7579



69.8500, 34.0909, -61.2584



70.2120, 42.2935, 14.7231

Rectangle

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



44.2520, -21.8162, 90.9870



67.1140, -33.0872, 19.1940



69.8500, 34.0909, -61.2584



67.5940, 55.9092, -59.2799

Sweetspot

The sweet spot groups the original color and five complimentary colors.



44.2520, -21.8162, 90.9870



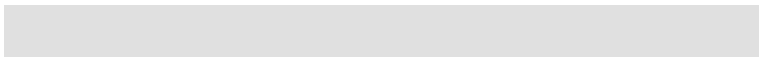
151.0430, -8.4022, 35.0423



61.1240, 42.8299, 76.1903



72.4650, -5.1592, 21.5172



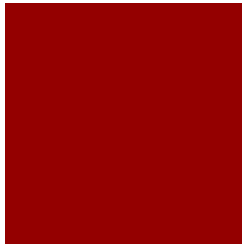
224.0000, 0.0000, 0.0000



97.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YUV color 44.2520, -21.8162, 90.9870 looks on a white background.

Color Contrast Check

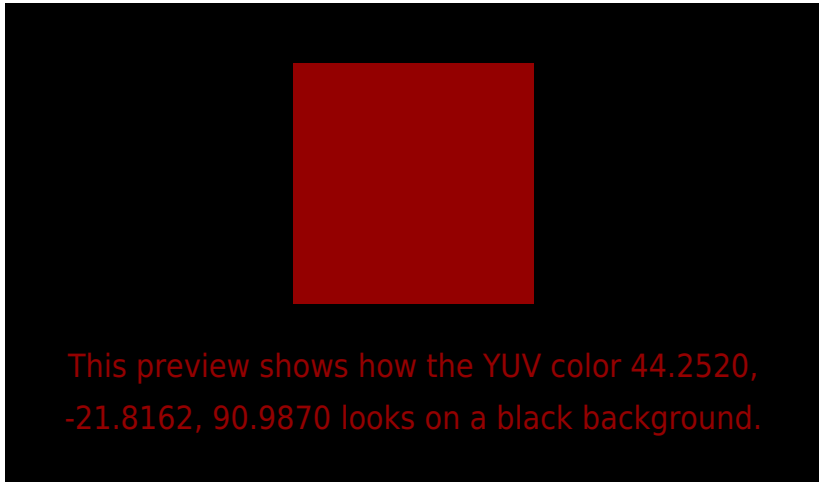
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.2520, -21.8162, 90.9870

Background



This preview shows how black text looks on a background with the YUV color 44.2520, -21.8162, 90.9870.



This preview shows how white text looks on a background with the YUV color 44.2520, -21.8162,

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

44.2520, -21.8162, 90.9870

Protanopia

71.3070, -25.7874, 11.1318

Deuteranopia

69.7830, -34.4030, 21.2383

Trichromacy



Original Color

44.2520, -21.8162, 90.9870

Protanomaly

61.5370, -24.4217, 39.8711

Deuteranomaly

60.5010, -29.8270, 46.9186

Monochromacy



Original Color

44.2520, -21.8162, 90.9870

Achromatopsia

44.0000, 0.0000, 0.0000

Achromatomaly

44.1460, -7.9600, 33.1980

CSS Examples

Text

The CSS property to change the color of the text to YUV 44.2520, -21.8162, 90.9870 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(148, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 0, 0)  
}
```


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(148, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 0, 0) }
```

Border

The CSS property to change the border of an element to YUV 44.2520, -21.8162, 90.9870 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(148, 0, 0) }
```

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

```
.border{ border-color:rgb(148, 0, 0) }
```

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

Here you see how a box with a 4 pixel rgb(148, 0, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(148, 0, 0); box-shadow:4px  
4px 4px 4px rgb(148, 0, 0) }
```

Background

The CSS property to change the background color of an element to YUV 44.2520, -21.8162, 90.9870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 0, 0) }
```

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

```
.background{ background-color: rgb(148, 0,  
0) }
```

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? Have a look at my other booklet **HOWCOLORS.WORK – A CSS color notation guide.**



HOWCOLORS.WORK

A CSS color notation guide.

Are you new to web development and want to know the different ways to express colors in CSS? Then this booklet is for you!

HOWCOLORS.WORK will help you understand the syntax of the color notations in CSS.

You will learn all the current and new ways to express colors to prepare yourself for the future!

[Buy now, starting at \\$4.99!](#)

**Follow me
on Twitter!**

@ConvertingColor