

# Converting Colors

YUV(93.5650, -23.9425,  
-20.6665)

Have a look what the booklet for  
YUV(93.5650, -23.9425, -20.6665)  
contains.

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# Color

**YUV(93.5650, -23.9425,  
-20.6665)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	46732D
RGB	70, 115, 45
RGB Percent	27%, 45%, 18%
CMY	0.7255, 0.5490, 0.8235
CMYK	0.39, 0.00, 0.61, 0.55
HSL	99°, 44%, 31%
HSV	99°, 61%, 45%
XYZ	9.1302, 13.7530, 4.6560
YIQ	93.5650, -4.3500, -31.3100

# Conversions

## Conversions Part 2

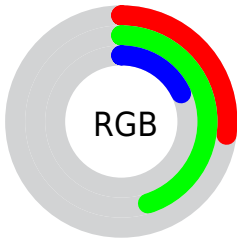
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 115, 90
Decimal	4617005
CIELab	43.88, -29.10, 33.30
CIElCh	44, 44.220, 131.150
Yxy	13.7530, 0.3315, 0.4994
Android (android.graphics.Color)	4282807085 (0xFF46732D)
YUV	93.5650, -23.9425, -20.6665
Hunter-Lab	37.0851, -20.9530, 18.5157

# Details

The YUV color **93.5650, -23.9425, -20.6665** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **66.4350, 23.9425, 20.6665**, and the grayscale version is **94.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **144.8100, -25.5423, -20.8814**, and **44.4230, -21.9005, -22.2960** is the 20% darker color. If you saturate the color by 10%, you get **90.1040, -28.1523, -23.7702**, and if you desaturate by 10%, it is **97.0260, -19.7328, -17.5628**.

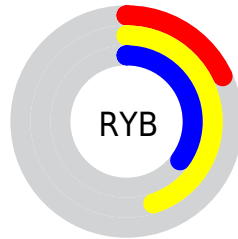
# Distribution



Red (27%)

Green (45%)

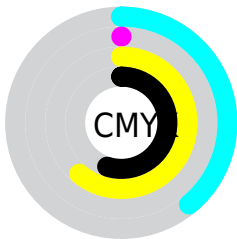
Blue (18%)



Red (18%)

Yellow (45%)

Blue (35%)

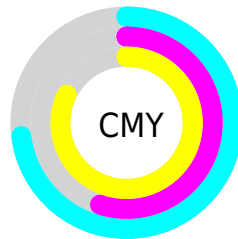


Cyan (39%)

Magenta (0%)

Yellow (61%)

Black (55%)



Cyan (73%)

Magenta (55%)

Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 93.5650, -23.9425, -20.6665 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 93.5650, -23.9425, -20.6665 by changing the saturation by 10% instead.



■ 93.5650, -23.9425,  
-20.6665

■ 93.5650, -23.9425,  
-20.6665

255.0000, 0.0000,  
0.0000

■ 68.6790, -23.5057,  
-20.7665

■ 144.8100,  
-25.5423, -20.8814

■ 44.4230, -21.9005,  
-22.2960

■ 172.2830,  
-26.2685, -21.2962

■ 25.8280, -12.7332,  
-22.6512

■ 199.7560,  
-26.9947, -21.7110

■ 12.9140, -6.3666,  
-11.3256

■ 227.6420,  
-27.4315, -21.6110

■ 0.0000, 0.0000,  
0.0000

■ 241.7390,  
-21.0703, -8.5411

■ 251.9220,

-11.7935, 2.6994

■ 93.5650, -23.9425,  
-20.6665

■ 93.5650, -23.9425,  
-20.6665

■ 90.1040, -28.1523,  
-23.7702

■ 97.0260, -19.7328,  
-17.5628

■ 86.4580, -31.7778,  
-27.5887

■ 100.6720,  
-16.1073, -13.7443

■ 82.9970, -35.9875,  
-30.6924

■ 104.1330,  
-11.8976, -10.6406

■ 79.7640, -39.3237,  
-33.9960

■ 107.7790, -8.2720,  
-6.8222

■ 111.2400, -4.0623,  
-3.7185

■ 114.5870, -0.2894,  
-0.5148

■ 118.3470, 3.7729,  
3.2037

■ 121.6940, 7.5459,  
6.4074

■ 125.3400, 11.1714,  
10.2258

# Harmonies

## Analogous

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



97.8480, -36.4071, 10.6573



93.5650, -23.9425, -20.6665



79.4460, -0.2199, -69.6741

# Triad

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



93.5650, -23.9425, -20.6665



86.6400, 42.5755, -75.9833



102.5930, -5.7153, 59.9929

# Complementary

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



93.5650, -23.9425, -20.6665



66.4350, 23.9425, 20.6665

# 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.



105.2720, 11.2049, 46.2425



93.5650, -23.9425, -20.6665



97.8670, 38.5196, -34.9634

# Square

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



93.5650, -23.9425, -20.6665



87.6540, 31.2296, -76.8726



106.5590, 25.8534, 14.4188



101.9070, -22.1392, 54.4556



# Rectangle

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



93.5650, -23.9425, -20.6665



82.8830, 10.4107, -72.6884



106.5590, 25.8534, 14.4188



103.4770, 0.2578, 57.4637

# Sweetspot

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



93.5650, -23.9425, -20.6665



141.8390, -9.2876, -7.7518



91.7580, -23.0517, 20.3832



71.7730, -5.8041, -5.0629



204.0000, 0.0000, 0.0000



77.0000, 0.0000, 0.0000



# Same Dimension

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



93.5650, -23.9425, -20.6665



116.6440, -37.2925, -32.1368



87.1160, -16.3262, -36.9357



57.1200, -2.0312, -1.8592



84.7700, -41.7916, -35.7553



173.3610, -85.4670, -73.9846



# Inverse Universe

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



66.4350, 23.9425, 20.6665



74.3560, 37.2925, 32.1368



72.8840, 16.3262, 36.9357



54.8800, 2.0312, 1.8592



37.5290, 41.6442, 36.3701



76.6390, 85.4670, 73.9846



# Previews

## White Background



This preview shows how the YUV color 93.5650, -23.9425, -20.6665 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 93.5650, -23.9425, -20.6665 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 93.5650, -23.9425, -20.6665

## Background



This preview shows how black text looks on a background with the YUV color 93.5650, -23.9425, -20.6665.



This preview shows how white text looks on a background with the YUV color 93.5650, -23.9425,



# 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

93.5650, -23.9425, -20.6665

### Protanopia

99.6340, -28.4136, 13.4760

### Deuteranopia

101.1990, -25.2411, 22.6275



## Tritanopia

100.8390, 7.4744, -17.3988

# Trichromacy



## Original Color

93.5650, -23.9425, -20.6665

## Protanomaly

97.3120, -26.7758, 1.4804

## Deuteranomaly

98.2140, -24.7555, 6.8283

## Tritanomaly

98.4400, -4.1609, -18.8029

# Monochromacy



## Original Color

93.5650, -23.9425, -20.6665

## Achromatopsia

94.0000, 0.0000, 0.0000

## Achromatomaly

93.9530, -8.8508, -7.8518

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 93.5650, -23.9425, -20.6665 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(70, 115, 45)` looks like.

```
.text, #text, p{  
    color:rgb(70, 115, 45)  
}
```

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(70, 115, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 115, 45) }
```

## Border

The CSS property to change the border of an element to YUV 93.5650, -23.9425, -20.6665 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(70, 115, 45) }
```



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

```
.border{ border-color:rgb(70, 115, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 115, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 115, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 115, 45);  
box-shadow:4px 4px 4px 4px rgb(70, 115,  
45) }
```

# Background

The CSS property to change the background color of an element to YUV 93.5650, -23.9425, -20.6665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 115, 45) }
```

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

```
.background{ background-color: rgb(70, 115,  
45) }
```

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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