

# Converting Colors

YUV(97.6250, 32.2299,  
-24.2271)

Have a look what the booklet for  
YUV(97.6250, 32.2299, -24.2271)  
contains.

<b>YUV(97.6250, 32.2299, -24.2271)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(97.6250, 32.2299,  
-24.2271)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4663A3
RGB	70, 99, 163
RGB Percent	27%, 39%, 64%
CMY	0.7255, 0.6118, 0.3608
CMYK	0.57, 0.39, 0.00, 0.36
HSL	221°, 40%, 46%
HSV	221°, 57%, 64%
XYZ	13.5985, 12.8701, 36.4178
YIQ	97.6250, -37.8280, 13.7560

# Conversions

## Conversions Part 2

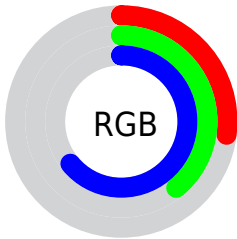
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	70, 92, 163
Decimal	4613027
CIE <sub>Lab</sub>	42.57, 9.07, -37.85
CIE <sub>LCh</sub>	43, 38.922, 283.469
Yxy	12.8701, 0.2162, 0.2047
Android (android.graphics.Color)	4282803107 (0xFF4663A3)
YUV	97.6250, 32.2299, -24.2271
Hunter-Lab	35.8749, 4.8797, -35.0747

# Details

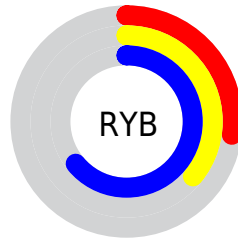
The YUV color **97.6250, 32.2299, -24.2271** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **135.3750, -32.2299, 24.2271**, and the grayscale version is **97.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **149.6900, 33.6768, -21.6531**, and **43.7650, 33.1469, -38.3819** is the 20% darker color. If you saturate the color by 10%, you get **86.3840, 37.7717, -28.4008**, and if you desaturate by 10%, it is **108.8660, 26.6881, -20.0535**.

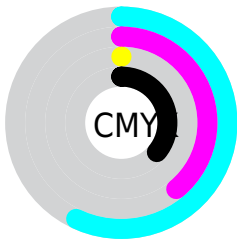
# Distribution



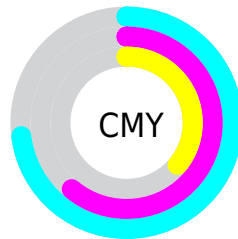
- Red (27%)
- Green (39%)
- Blue (64%)



- Red (27%)
- Yellow (36%)
- Blue (64%)



- Cyan (57%)
- Magenta (39%)
- Yellow (0%)
- Black (36%)



- Cyan (73%)
- Magenta (61%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 97.6250, 32.2299, -24.2271 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 97.6250, 32.2299, -24.2271 by changing the saturation by 10% instead.



■ 97.6250, 32.2299,  
-24.2271

■ 97.6250, 32.2299,  
-24.2271

■ 255.0000, 0.0000,  
0.0000

■ 71.7880, 31.6565,  
-27.0011

■ 149.6900, 33.6768,  
-21.6531

■ 43.7650, 33.1469,  
-38.3819

■ 177.2170, 34.4030,  
-21.2383

■ 28.5880, 28.3041,  
-25.0717

■ 202.3500, 25.9565,  
-18.7239

■ 11.7640, 24.7663,  
-10.3170

■ 227.4570, 13.5787,  
-15.3098

■ 6.3210, 16.6037,  
-5.5435

■ 250.2160, 2.3585,  
-9.8364

■ 2.5250, 7.1362,  
-2.2144

■ 0.0000, 0.0000,

0.0000

■ 97.6250, 32.2299,  
-24.2271

■ 97.6250, 32.2299,  
-24.2271

■ 86.3840, 37.7717,  
-28.4008

■ 108.8660, 26.6881,  
-20.0535

■ 74.8440, 43.4609,  
-33.1892

■ 120.4060, 20.9988,  
-15.2651

■ 63.0160, 49.2921,  
-36.8480

■ 132.2340, 15.1676,  
-11.6062

■ 51.7750, 54.8339,  
-41.0217

■ 143.4750, 9.6258,  
-7.4326

■ 48.5190, 56.4391,  
-42.5512

■ 155.0150, 3.9366,  
-2.6442

■ 166.2560, -1.6052,  
1.5295

■ 178.0840, -7.4364,  
5.1883

■ 189.3250,  
-12.9782, 9.3620

■ 200.8650,  
-18.6674, 14.1504

# Harmonies

## Analogous

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



82.4510, 39.2177, -72.3095



97.6250, 32.2299, -24.2271



103.4190, 21.4854, 15.4185

# Triad

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



97.6250, 32.2299, -24.2271



99.3190, -20.3703, 47.0782



76.7390, 2.1007, -67.3001

# Complementary

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



97.6250, 32.2299, -24.2271



135.3750, -32.2299, 24.2271

# 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.



91.7160, -19.5800, -19.9219



97.6250, 32.2299, -24.2271



97.9890, -30.0676, 30.7046

# Square

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



97.6250, 32.2299, -24.2271



100.0220, -6.4198, 52.6007



95.7320, -30.4339, 8.1280



81.0880, 16.2256, -71.1142



# Rectangle

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



97.6250, 32.2299, -24.2271



103.3630, 13.1320, 34.7616



95.7320, -30.4339, 8.1280



85.4770, -7.1372, -44.2683

# Sweetspot

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



97.6250, 32.2299, -24.2271



186.5610, 12.5414, -9.2620



131.8870, 1.0417, -54.2749



91.9160, 7.4364, -5.1883



235.0000, 0.0000, 0.0000



107.0000, 0.0000, 0.0000



# Same Dimension

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



97.6250, 32.2299, -24.2271



110.8310, 49.8763, -37.5628



85.6850, 38.1163, 1.1533



75.7870, 3.0630, -2.4442



42.9450, 50.3131, -37.6628



5.5740, 6.1260, -4.8884



# Inverse Universe

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



101.1130, -1.0417, 54.2749



116.1860, -1.5707, 84.0289



147.3150, -38.1163, -1.1533



76.0330, -0.0163, 5.2331



48.4850, -1.7181, 84.6437

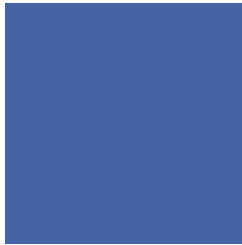


6.0660, -0.0325, 10.4661



# Previews

## White Background



This preview shows how the YUV color 97.6250, 32.2299, -24.2271 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

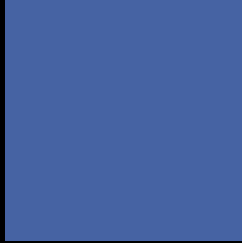
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 97.6250, 32.2299, -24.2271 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

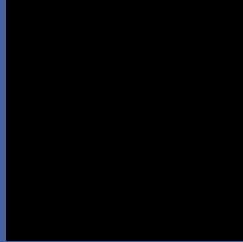
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

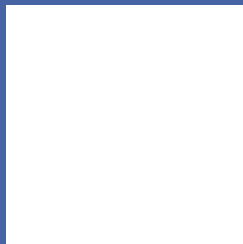
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 97.6250, 32.2299, -24.2271

## Background



This preview shows how black text looks on a background with the YUV color 97.6250, 32.2299, -24.2271.



This preview shows how white text looks on a background with the YUV color 97.6250, 32.2299,



# 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

97.6250, 32.2299, -24.2271

### Protanopia

98.4190, 31.3454, -20.5385

### Deuteranopia

96.4070, 32.8303, -30.1749



## Tritanopia

92.8690, 11.8966, -35.8421

# Trichromacy



## Original Color

97.6250, 32.2299, -24.2271

## Protanomaly

97.8210, 31.6402, -21.7680

## Deuteranomaly

96.7170, 32.6775, -27.8158

## Tritanomaly

94.5520, 19.4479, -31.1791

# Monochromacy



## Original Color

97.6250, 32.2299, -24.2271

## Achromatopsia

98.0000, 0.0000, 0.0000

## Achromatomaly

97.7460, 11.9572, -8.5472

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 97.6250, 32.2299, -24.2271 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, 99, 163)` looks like.

```
.text, #text, p{  
    color:rgb(70, 99, 163)  
}
```

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, 99, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 99, 163) }
```

## Border

The CSS property to change the border of an element to YUV 97.6250, 32.2299, -24.2271 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, 99, 163) }
```



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

```
.border{ border-color:rgb(70, 99, 163) }
```

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

Here you see how a box with a 4 pixel rgb(70, 99, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 99, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 99, 163);  
box-shadow:4px 4px 4px 4px rgb(70, 99,  
163) }
```

# Background

The CSS property to change the background color of an element to YUV 97.6250, 32.2299, -24.2271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 99, 163) }
```

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

```
.background{ background-color: rgb(70, 99,  
163) }
```

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