

# Converting Colors

YUV(32.3240, 22.0253,  
-17.8241)

Have a look what the booklet for  
YUV(32.3240, 22.0253, -17.8241)  
contains.

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# Color

**YUV(32.3240, 22.0253,  
-17.8241)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0C224D
RGB	12, 34, 77
RGB Percent	5%, 13%, 30%
CMY	0.9529, 0.8667, 0.6980
CMYK	0.84, 0.56, 0.00, 0.70
HSL	220°, 73%, 17%
HSV	220°, 84%, 30%
XYZ	2.0632, 1.7580, 7.2518
YIQ	32.3240, -26.9150, 8.7090

# Conversions

## Conversions Part 2

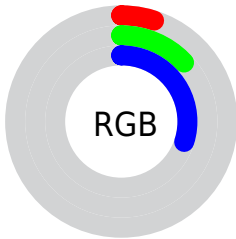
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	12, 28, 77
Decimal	795213
CIE Lab	14.16, 9.47, -29.07
CIE LCh	14, 30.568, 288.041
Yxy	1.7580, 0.1863, 0.1588
Android (android.graphics.Color)	4278985293 (0xFF0C224D)
YUV	32.3240, 22.0253, -17.8241
Hunter-Lab	13.2591, 4.5723, -23.1460

# Details

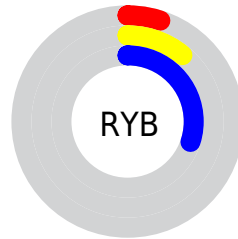
The YUV color **32.3240, 22.0253, -17.8241** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **56.6760, -22.0253, 17.8241**, and the grayscale version is **32.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **79.8840, 22.7352, -12.1763**, and **4.8220, 13.3988, -4.2289** is the 20% darker color. If you saturate the color by 10%, you get **26.9970, 24.6515, -20.1684**, and if you desaturate by 10%, it is **37.6510, 19.3991, -15.4799**.

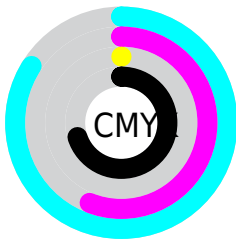
# Distribution



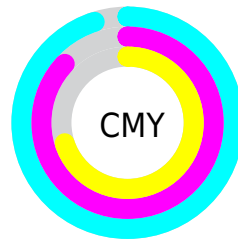
- Red (5%)
- Green (13%)
- Blue (30%)



- Red (5%)
- Yellow (11%)
- Blue (30%)



- Cyan (84%)
- Magenta (56%)
- Yellow (0%)
- Black (70%)



- Cyan (95%)
- Magenta (87%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 32.3240, 22.0253, -17.8241 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 32.3240, 22.0253, -17.8241 by changing the saturation by 10% instead.



■ 32.3240, 22.0253,  
-17.8241

■ 32.3240, 22.0253,  
-17.8241

■ 255.0000, 0.0000,  
0.0000

■ 13.2000, 20.1144,  
-11.5764

■ 79.8840, 22.7352,  
-12.1763

■ 4.8220, 13.3988,  
-4.2289

■ 104.5250, 23.8982,  
-11.8614

■ 0.4560, 1.7472,  
-0.3999

■ 129.9380, 24.1876,  
-11.3466

■ 0.0000, 0.0000,  
0.0000

■ 155.8780, 25.2031,  
-10.4170

■ 182.9920, 25.6399,  
-10.5170

■ 210.0800, 22.1456,

-9.7172

234.8880, 9.9152,  
-6.9178

32.3240, 22.0253,  
-17.8241

32.3240, 22.0253,  
-17.8241

26.9970, 24.6515,  
-20.1684

37.6510, 19.3991,  
-15.4799

24.0400, 26.1093,  
-21.0831

42.6790, 16.9203,  
-13.7505

48.0060, 14.2940,  
-11.4063

53.3330, 11.6678,  
-9.0620

58.6600, 9.0416,  
-6.7178

■ 64.2750, 6.2734,  
-5.5032

■ 69.6020, 3.6472,  
-3.1590

■ 74.9290, 1.0210,  
-0.8147

■ 79.9570, -1.4578,  
0.9147

# Harmonies

## Analogous

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



32.9590, 22.2052, -28.9050



32.3240, 22.0253, -17.8241



37.3450, 13.6339, 13.7294

# Triad

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



32.3240, 22.0253, -17.8241



32.9470, -16.2429, 29.8645



29.3790, -1.6658, -25.7654

# Complementary

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



32.3240, 22.0253, -17.8241



56.6760, -22.0253, 17.8241

# 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.



27.3340, -13.4757, -17.8329



32.3240, 22.0253, -17.8241



34.6310, -17.0731, 16.1096

# Square

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



32.3240, 22.0253, -17.8241



31.6070, -3.7503, 36.3017



33.0590, -16.2981, 0.8253



32.0010, 8.3805, -28.0649



# Rectangle

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



32.3240, 22.0253, -17.8241



34.7550, 8.5018, 26.5249



33.0590, -16.2981, 0.8253



27.9940, -4.4340, -24.5507

# Sweetspot

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



32.3240, 22.0253, -17.8241



82.4320, 8.1680, -6.5179



54.9430, -0.4649, -37.6610



40.6450, 5.1050, -4.0737



179.0000, 0.0000, 0.0000



51.0000, 0.0000, 0.0000



# Same Dimension

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



32.3240, 22.0253, -17.8241



31.2440, 33.4037, -27.4010



22.4000, 26.9178, -0.3508



35.6300, 1.1684, -1.4295



32.1730, 34.4247, -28.2157



72.0060, 77.8910, -63.1493



# Inverse Universe

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



33.9430, 0.0281, 37.7610



33.4770, 0.2578, 57.4637



66.6000, -26.9178, 0.3508



35.4240, 0.2840, 2.2592



34.4880, 0.2524, 59.2080



77.6620, 0.1666, 133.6004



# Previews

## White Background



This preview shows how the YUV color 32.3240, 22.0253, -17.8241 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

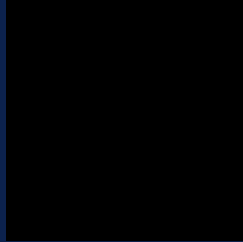
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 32.3240, 22.0253, -17.8241

## Background



This preview shows how black text looks on a background with the YUV color 32.3240, 22.0253, -17.8241.



This preview shows how white text looks on a background with the YUV color 32.3240, 22.0253,



# 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

32.3240, 22.0253, -17.8241

### Protanopia

29.0950, 22.6312, -25.5163

### Deuteranopia

29.0150, 17.2476, -25.4462



## Tritanopia

28.9690, 6.9173, -25.4058

# Trichromacy



## Original Color

32.3240, 22.0253, -17.8241

## Protanomaly

30.4050, 22.4783, -23.1572

## Deuteranomaly

30.1940, 19.1314, -22.9721

## Tritanomaly

29.7720, 12.4374, -22.6020

# Monochromacy



## Original Color

32.3240, 22.0253, -17.8241

## Achromatopsia

32.0000, 0.0000, 0.0000

## Achromatomaly

32.3180, 7.7312, -6.4179

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 32.3240, 22.0253, -17.8241 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(12, 34, 77)` looks like.

```
.text, #text, p{  
    color:rgb(12, 34, 77)  
}
```

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(12, 34, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 34, 77) }
```

## Border

The CSS property to change the border of an element to YUV 32.3240, 22.0253, -17.8241 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(12, 34, 77) }
```



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

```
.border{ border-color:rgb(12, 34, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 34, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 34, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 34, 77);  
box-shadow:4px 4px 4px 4px rgb(12, 34, 77)  
}
```

# Background

The CSS property to change the background color of an element to YUV 32.3240, 22.0253, -17.8241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 34, 77) }
```

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

```
.background{ background-color: rgb(12, 34,  
77) }
```

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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