

# Converting Colors

YUV(50.2820, 15.6370,  
-22.1723)

Have a look what the booklet for  
YUV(50.2820, 15.6370, -22.1723)  
contains.

|  |    |
|--|----|
| <b>YUV(50.2820, 15.6370, -22.1723)</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(50.2820, 15.6370,  
-22.1723)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | 193952                    |
| RGB         | 25, 57, 82                |
| RGB Percent | 10%, 22%, 32%             |
| CMY         | 0.9020, 0.7765, 0.6784    |
| CMYK        | 0.70, 0.30, 0.00, 0.68    |
| HSL         | 206°, 53%, 21%            |
| HSV         | 206°, 70%, 32%            |
| XYZ         | 3.3870, 3.7421, 8.5264    |
| YIQ         | 50.2820, -27.0970, 0.9910 |

# Conversions

## Conversions Part 2

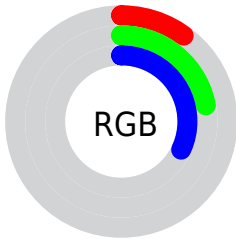
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 25, 45, 82                    |
| Decimal                             | 1653074                       |
| CIE <sub>Lab</sub>                  | 22.80, -2.70, -18.67          |
| CIE <sub>LCh</sub>                  | 23, 18.864, 261.758           |
| Yxy                                 | 3.7421, 0.2163,<br>0.2390     |
| Android<br>(android.graphics.Color) | 4279843154<br>(0xFF193952)    |
| YUV                                 | 50.2820, 15.6370,<br>-22.1723 |
| Hunter-Lab                          | 19.3446, -2.5996,<br>-12.5918 |

# Details

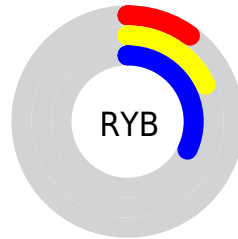
The YUV color **50.2820, 15.6370, -22.1723** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **56.7180, -15.6370, 22.1723**, and the grayscale version is **50.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **98.5210, 16.5051, -20.6279**, and **12.4360, 12.1101, -10.9064** is the 20% darker color. If you saturate the color by 10%, you get **45.5420, 17.9738, -25.0313**, and if you desaturate by 10%, it is **55.0220, 13.3002, -19.3133**.

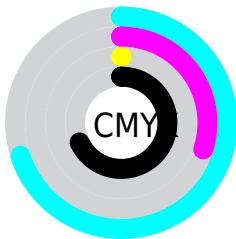
# Distribution



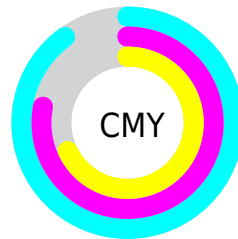
- Red (10%)
- Green (22%)
- Blue (32%)



- Red (10%)
- Yellow (18%)
- Blue (32%)



- Cyan (70%)
- Magenta (30%)
- Yellow (0%)
- Black (68%)



- Cyan (90%)
- Magenta (78%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 50.2820, 15.6370, -22.1723 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 50.2820, 15.6370, -22.1723 by changing the saturation by 10% instead.



■ 50.2820, 15.6370,  
-22.1723

■ 50.2820, 15.6370,  
-22.1723

■ 255.0000, 0.0000,  
0.0000

■ 27.8580, 15.3530,  
-24.4315

■ 98.5210, 16.5051,  
-20.6279

■ 12.4360, 12.1101,  
-10.9064

■ 123.9340, 16.7945,  
-20.1131

■ 2.2970, 6.2626,  
-2.0145

■ 149.7490, 17.3787,  
-20.8279

■ 0.0000, 0.0000,  
0.0000

■ 176.7490, 17.3787,  
-20.8279

■ 203.9770, 18.2523,  
-21.0278

■ 230.3810, 12.1372,

-19.6281

249.6180, 2.6533,  
-11.0660

50.2820, 15.6370,  
-22.1723

50.2820, 15.6370,  
-22.1723

45.5420, 17.9738,  
-25.0313

55.0220, 13.3002,  
-19.3133

41.3890, 20.0212,  
-28.4052

59.1750, 11.2527,  
-15.9395

36.3500, 22.5054,  
-31.8789

64.2140, 8.7685,  
-12.4657

68.3670, 6.7211,  
-9.0919

73.1070, 4.3842,  
-6.2328

■ 77.8470, 2.0474,  
-3.3738

■ 82.0000, 0.0000,  
0.0000

■ 87.0390, -2.4842,  
3.4738

■ 91.1920, -4.5317,  
6.8476

# Harmonies

## Analogous

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



43.8840, 15.8332, -38.4863



50.2820, 15.6370, -22.1723



54.5940, 12.5252, -4.0289

# Triad

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



50.2820, 15.6370, -22.1723



55.1770, -5.0173, 22.6468



50.5010, -6.6560, -11.8404

# Complementary

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



50.2820, 15.6370, -22.1723



56.7180, -15.6370, 22.1723

# 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.



52.4980, -12.0775, 0.4403



50.2820, 15.6370, -22.1723



54.3740, -10.5374, 19.8430

# Square

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



50.2820, 15.6370, -22.1723



56.1750, 1.3927, 20.0175



53.5210, -13.5679, 11.8211



46.8780, 1.5391, -27.0800



# Rectangle

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



50.2820, 15.6370, -22.1723



56.1500, 9.2931, 6.0075



53.5210, -13.5679, 11.8211



51.2520, -8.9982, -7.2370

# Sweetspot

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



50.2820, 15.6370, -22.1723



94.5520, 6.1369, -8.3771



61.3090, -5.5753, -31.8430



46.2920, 3.8000, -5.5181



181.0000, 0.0000, 0.0000



54.0000, 0.0000, 0.0000



# Same Dimension

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



50.2820, 15.6370, -22.1723



57.4960, 24.4055, -34.6380



33.8460, 23.7399, -7.7579



38.6300, 1.1684, -1.4295



46.6030, 28.7897, -40.8708



102.7580, 63.7163, -90.1188



# Inverse Universe

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



45.6910, 5.5753, 31.8430



50.3110, 8.7207, 49.7163



73.1540, -23.7399, 7.7579



38.4240, 0.2840, 2.2592



38.1210, 10.2933, 58.6529

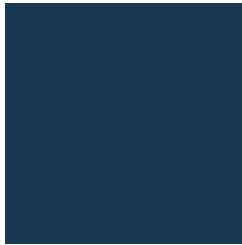


84.1880, 22.5853, 129.6311



# Previews

## White Background



This preview shows how the YUV color 50.2820, 15.6370, -22.1723 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



This preview shows how the YUV color 50.2820, 15.6370, -22.1723 looks on a 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

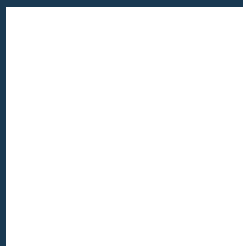
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 50.2820, 15.6370, -22.1723

## Background



This preview shows how black text looks on a background with the YUV color 50.2820, 15.6370, -22.1723.



This preview shows how white text looks on a background with the YUV color 50.2820, 15.6370,



# 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

50.2820, 15.6370, -22.1723

### Protanopia

54.4580, 12.0992, -7.4177

### Deuteranopia

53.4190, 14.5834, -10.8915



## Tritanopia

46.2180, 9.2595, -30.0092

# Trichromacy



## Original Color

50.2820, 15.6370, -22.1723

## Protanomaly

52.7670, 13.4259, -12.9507

## Deuteranomaly

52.2120, 15.1785, -15.0949

## Tritanomaly

47.8100, 11.4327, -27.0204

# Monochromacy



## Original Color

50.2820, 15.6370, -22.1723

## Achromatopsia

50.0000, 0.0000, 0.0000

## Achromatomaly

50.4380, 5.7001, -8.2771

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 50.2820, 15.6370, -22.1723 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(25, 57, 82)` looks like.

```
.text, #text, p{  
    color:rgb(25, 57, 82)  
}
```

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(25, 57, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 57, 82) }
```

## Border

The CSS property to change the border of an element to YUV 50.2820, 15.6370, -22.1723 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(25, 57, 82) }
```



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

```
.border{ border-color:rgb(25, 57, 82) }
```

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

Here you see how a box with a 4 pixel rgb(25, 57, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 57, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 57, 82);  
box-shadow:4px 4px 4px 4px rgb(25, 57, 82)  
}
```

# Background

The CSS property to change the background color of an element to YUV 50.2820, 15.6370, -22.1723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 57, 82) }
```

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

```
.background{ background-color: rgb(25, 57,  
82) }
```

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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