

# Converting Colors

YUV(102.7720, -50.6666,  
104.5630)

Have a look what the booklet for  
YUV(102.7720, -50.6666, 104.5630)  
contains.

<b>YUV(102.7720, -50.6666, 104.5630)</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> .....	30

# Color

**YUV(102.7720, -50.6666,  
104.5630)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE3E00
RGB	222, 62, 0
RGB Percent	87%, 24%, 0%
CMY	0.1294, 0.7569, 1.0000
CMYK	0.00, 0.72, 1.00, 0.13
HSL	17°, 100%, 44%
HSV	17°, 100%, 87%
XYZ	31.8468, 18.9748, 1.9840
YIQ	102.7720, 115.2620, 14.6380

# Conversions

## Conversions Part 2

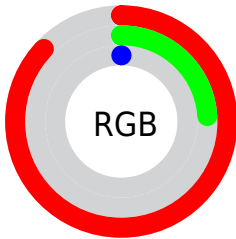
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	222, 86, 0
Decimal	14564864
CIE Lab	50.66, 59.96, 62.30
CIE LCh	51, 86.467, 46.095
Yxy	18.9748, 0.6031, 0.3593
Android (android.graphics.Color)	4292754944 (0xFFDE3E00)
YUV	102.7720, -50.6666, 104.5630
Hunter-Lab	43.5601, 54.2712, 27.7917

# Details

The YUV color **102.7720, -50.6666, 104.5630** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **119.2280, 50.6666, -104.5630**, and the grayscale version is **103.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **152.9380, -45.8184, 89.5084**, and **46.9430, -23.1429, 96.5200** is the 20% darker color. If you saturate the color by 10%, you get **102.7720, -50.6666, 104.5630**, and if you desaturate by 10%, it is **114.6720, -45.6873, 94.1267**.

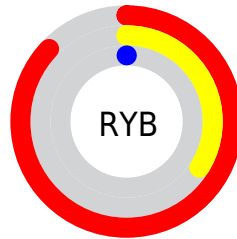
# Distribution



Red (87%)

Green (24%)

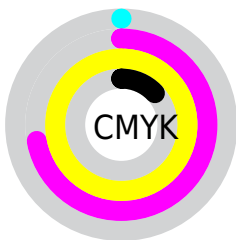
Blue (0%)



Red (87%)

Yellow (34%)

Blue (0%)

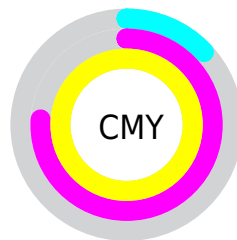


Cyan (0%)

Magenta (72%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (76%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 102.7720, -50.6666, 104.5630 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 102.7720, -50.6666, 104.5630 by changing the saturation by 10% instead.




 102.7720,  
-50.6666, 104.5630


 102.7720,  
-50.6666, 104.5630


 254.4300, -2.1840,  
0.4999


 72.9470, -35.9629,  
101.7785


 152.9380,  
-45.8184, 89.5084


 46.9430, -23.1429,  
96.5200


 172.8110,  
-43.2908, 72.0798


 37.3750, -18.4259,  
76.8471


 192.2110,  
-40.0370, 55.0660

 28.1060, -13.8563,  
57.7890

 212.3120,  
-36.6358, 37.4374

 20.0760, -8.4185,  
40.2753

 232.4130,  
-33.2346, 19.8088


 9.9810, -4.4276,  
20.1877


 247.9320,


 0.0000, 0.0000,


-27.0815, 6.1986


0.0000

 251.1240,  
-14.8511, 3.3993


 102.7720,  
-50.6666, 104.5630

 114.6720,  
-45.6873, 94.1267

 126.5720,  
-40.7080, 83.6904

 138.5860,  
-35.2919, 73.1541

 150.4860,  
-30.3126, 62.7178

 162.3860,  
-25.3333, 52.2815

■ 174.2860,  
-20.3540, 41.8452

■ 186.1860,  
-15.3747, 31.4089

■ 198.2000, -9.9586,  
20.8726

■ 210.1000, -4.9793,  
10.4363

# Harmonies

## Analogous

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



82.9450, 1.0131, 142.1222



102.7720, -50.6666, 104.5630



113.9600, -56.1823, 53.5321

# Triad

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



102.7720, -50.6666, 104.5630



96.8110, -7.3018, -84.9032



97.7490, 77.5247, -85.7259

# Complementary

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



102.7720, -50.6666, 104.5630



119.2280, 50.6666, -104.5630

# 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.



111.2500, 70.8688, -97.5662



102.7720, -50.6666, 104.5630



106.8770, 26.1896, -93.7311

# Square

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



102.7720, -50.6666, 104.5630



83.9410, -41.3829, -73.6163



113.3410, 56.0339, -99.4001



120.0920, 51.2266, 42.8923



# Rectangle

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



102.7720, -50.6666, 104.5630



112.2670, -55.3476, 19.0598



113.3410, 56.0339, -99.4001



103.0320, 74.9202, -90.3591

# Sweetspot

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



102.7720, -50.6666, 104.5630



214.0510, -17.2801, 35.9123



84.9600, 38.4737, 120.1841



102.7980, -10.2534, 22.1022



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



102.7720, -50.6666, 104.5630



117.9220, -58.1355, 120.2174



166.1680, -81.9208, 48.9647



106.0500, -2.4896, 5.2182



81.3870, -40.1238, 82.9756



22.5700, -11.1270, 22.3021

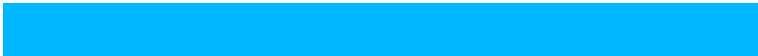


# Inverse Universe

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



119.2280, 50.6666, -104.5630



137.0780, 58.1355, -120.2174



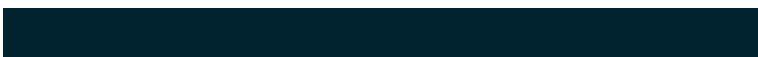
55.8320, 81.9208, -48.9647



106.9500, 2.4897, -5.2181



94.6130, 40.1238, -82.9756



26.0170, 10.8376, -22.8169



# Previews

## White Background



This preview shows how the YUV color 102.7720, -50.6666, 104.5630 looks on a white 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



# Black Background



This preview shows how the YUV color 102.7720, -50.6666, 104.5630 looks on a black 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

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

# YUV 102.7720, -50.6666, 104.5630 Background



This preview shows how black text looks on a background with the YUV color 102.7720, -50.6666, 104.5630.



This preview shows how white text looks on a background with the YUV color 102.7720, -50.6666, 104.5630.



# 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



### Protanopia

115.4270, -44.5805, 18.9195

### Deuteranopia

113.2520, -55.8332, 34.8590

### Tritanopia

107.5630, -23.4486, 101.2382

# Trichromacy



## Protanomaly

110.7560, -46.7147, 50.2030

## Deuteranomaly

109.5740, -54.0200, 60.0096

## Tritanomaly

105.6420, -33.3475, 102.9230

# Monochromacy



## Achromatopsia

103.0000, 0.0000, 0.0000

## Achromatomaly

102.8340, -18.1592, 37.8566

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 102.7720, -50.6666, 104.5630 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(222, 62, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 62, 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(222, 62, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 62, 0) }
```

## Border

The CSS property to change the border of an element to YUV 102.7720, -50.6666, 104.5630 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(222, 62, 0) }
```

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

```
.border{ border-color:rgb(222, 62, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 62, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 62, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 62, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 62, 0)  
}
```



# Background

The CSS property to change the background color of an element to YUV 102.7720, -50.6666, 104.5630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 62, 0) }
```

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

```
.background{ background-color: rgb(222, 62,  
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](#).

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