

# Converting Colors

YUV(128.9920, 42.8949,  
55.2580)

Have a look what the booklet for  
YUV(128.9920, 42.8949, 55.2580)  
contains.

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# Color

**YUV(128.9920, 42.8949,  
55.2580)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C050D8
RGB	192, 80, 216
RGB Percent	75%, 31%, 85%
CMY	0.2471, 0.6863, 0.1529
CMYK	0.11, 0.63, 0.00, 0.15
HSL	289°, 64%, 58%
HSV	289°, 63%, 85%
XYZ	37.0016, 21.9017, 67.2430
YIQ	128.9920, 23.0960, 66.0400

# Conversions

## Conversions Part 2

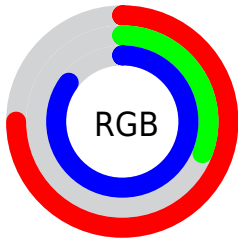
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 80, 216
Decimal	12603608
CIE <sub>Lab</sub>	53.92, 63.70, -49.76
CIE <sub>LCh</sub>	54, 80.831, 322.003
Yxy	21.9017, 0.2933, 0.1736
Android (android.graphics.Color)	4290793688 (0xFFC050D8)
YUV	128.9920, 42.8949, 55.2580
Hunter-Lab	46.7992, 59.2315, -52.4308

# Details

The YUV color **128.9920, 42.8949, 55.2580** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **167.0080, -42.8949, -55.2580**, and the grayscale version is **129.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **183.9510, 35.0272, 58.8020**, and **66.2360, 46.2257, 60.3060** is the 20% darker color. If you saturate the color by 10%, you get **114.8820, 49.8512, 64.1245**, and if you desaturate by 10%, it is **143.1020, 35.9387, 46.3915**.

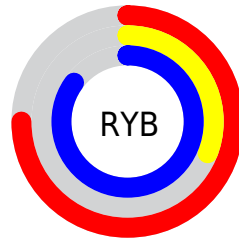
# Distribution



Red (75%)

Green (31%)

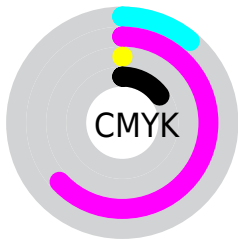
Blue (85%)



Red (75%)

Yellow (31%)

Blue (85%)

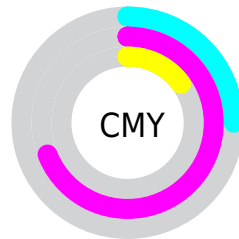


Cyan (11%)

Magenta (63%)

Yellow (0%)

Black (15%)



Cyan (25%)

Magenta (69%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 128.9920, 42.8949, 55.2580 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 128.9920, 42.8949, 55.2580 by changing the saturation by 10% instead.





 128.9920, 42.8949,  
55.2580


 128.9920, 42.8949,  
55.2580


255.0000, 0.0000,  
0.0000


 100.1060, 43.3317,  
55.1580


 183.9510, 35.0272,  
58.8020

 66.2360, 46.2257,  
60.3060


 201.5830, 26.3346,  
46.8467

 47.2690, 42.7584,  
52.3841

 218.0190, 18.2316,  
32.4323

 36.2320, 35.3816,  
38.3845

 235.0420, 9.8393,  
17.5032

 25.3090, 28.4417,  
24.2850

 252.6520, 1.1576,  
2.0592

 14.2010, 22.0859,  
9.4707

 5.2780, 15.1459,

-4.6288

■ 1.3680, 5.2416,  
-1.1997

■ 0.0000, 0.0000,  
0.0000

■ 128.9920, 42.8949,  
55.2580

■ 128.9920, 42.8949,  
55.2580

■ 114.8820, 49.8512,  
64.1245

■ 143.1020, 35.9387,  
46.3915

■ 101.3590, 56.5180,  
72.4762

■ 156.6250, 29.2719,  
38.0399

■ 87.5480, 63.3268,  
81.9574

■ 170.4360, 22.4631,  
28.5586

■ 77.8460, 68.1099,  
87.8351

■ 183.9590, 15.7962,  
20.2070

198.0690, 8.8400,  
11.3405

212.1790, 1.8838,  
2.4740

225.7020, -4.7831,  
-5.8777

239.5130,  
-11.5919, -15.3589

241.8830,  
-12.7603, -13.9294

# Harmonies

## Analogous

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



118.9560, 67.0697, -45.5654



128.9920, 42.8949, 55.2580



108.3450, 21.0289, 115.4614

# Triad

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



128.9920, 42.8949, 55.2580



121.2810, -59.7915, 44.4806



113.8530, 32.6105, -99.8491

# Complementary

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



128.9920, 42.8949, 55.2580



167.0080, -42.8949, -55.2580

# 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.



104.3570, 1.3030, -91.5211



128.9920, 42.8949, 55.2580



114.7600, -56.5767, -6.8055

# Square

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



128.9920, 42.8949, 55.2580



116.2620, -57.3172, 90.9782



92.5300, -31.3203, -81.1488



118.2310, 59.5391, -103.6886



# Rectangle

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



128.9920, 42.8949, 55.2580



102.7430, 0.6197, 128.2674



92.5300, -31.3203, -81.1488



111.1170, 22.1273, -97.4496

# Sweetspot

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



128.9920, 42.8949, 55.2580



224.1330, 15.2174, 19.1774



110.1790, 52.1698, -26.4670



108.5960, 9.5662, 11.7553



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.



128.9920, 42.8949, 55.2580



130.9560, 61.1537, 78.9686



131.2660, 20.5749, 74.3117



99.9450, 3.4781, 4.4332



61.6530, 53.9081, 69.5873



15.6660, 13.4757, 17.8329



# Inverse Universe

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



123.4000, -9.5642, 81.2102



122.8820, -13.7458, 115.8675



164.7340, -20.5749, -74.3117



99.5170, -0.7479, 6.5626



54.5490, -12.1027, 102.1275



13.7690, -2.8441, 25.6356



# Previews

## White Background



This preview shows how the YUV color 128.9920, 42.8949, 55.2580 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

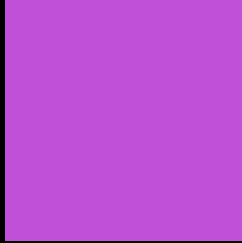
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the YUV color 128.9920, 42.8949, 55.2580 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

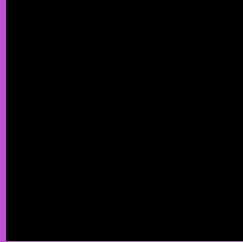
Any Text WCAG AA ✓ Pass

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 128.9920, 42.8949, 55.2580 Background



This preview shows how black text looks on a background with the YUV color 128.9920, 42.8949, 55.2580.



This preview shows how white text looks on a background with the YUV color 128.9920, 42.8949, 55.2580.



# 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

128.9920, 42.8949, 55.2580

### Protanopia

116.4980, 68.2815, -60.9497

### Deuteranopia

125.0240, 40.4142, -35.9780



## Tritanopia

130.8420, -6.8241, 42.2346

# Trichromacy



## Original Color

128.9920, 42.8949, 55.2580



## Protanomaly

121.3570, 58.9840, -18.7301



## Deuteranomaly

126.4610, 41.1847, -3.0353



## Tritanomaly

129.9840, 11.3469, 47.3720

# Monochromacy



## Original Color

128.9920, 42.8949, 55.2580



## Achromatopsia

129.0000, 0.0000, 0.0000



## Achromatomaly

128.9590, 15.7962, 20.2070

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 128.9920, 42.8949, 55.2580 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(192, 80, 216)` looks like.

```
.text, #text, p{  
    color:rgb(192, 80, 216)  
}
```

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(192, 80, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 80, 216) }
```

## Border

The CSS property to change the border of an element to YUV 128.9920, 42.8949, 55.2580 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(192, 80, 216) }
```



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

```
.border{ border-color:rgb(192, 80, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 80, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 80, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 80, 216);  
box-shadow:4px 4px 4px 4px rgb(192, 80,  
216) }
```

# Background

The CSS property to change the background color of an element to YUV 128.9920, 42.8949, 55.2580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 80, 216) }
```

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

```
.background{ background-color: rgb(192, 80,  
216) }
```

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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