

# Converting Colors

YUV(149.6120, -35.7977,  
-91.7447)

Have a look what the booklet for  
YUV(149.6120, -35.7977, -91.7447)  
contains.

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# Color

**YUV(149.6120, -35.7977,  
-91.7447)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2DD94D
RGB	45, 217, 77
RGB Percent	18%, 85%, 30%
CMY	0.8235, 0.1490, 0.6980
CMYK	0.79, 0.00, 0.65, 0.15
HSL	131°, 69%, 51%
HSV	131°, 79%, 85%
XYZ	27.2346, 50.7194, 15.3756
YIQ	149.6120, -57.5720, -80.0040

# Conversions

## Conversions Part 2

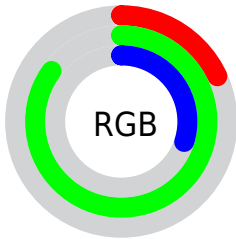
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 190, 217
Decimal	3004749
CIELab	76.51, -69.11, 55.35
CIELCh	77, 88.543, 141.310
Yxy	50.7194, 0.2918, 0.5434
Android (android.graphics.Color)	4281194829 (0xFF2DD94D)
YUV	149.6120, -35.7977, -91.7447
Hunter-Lab	71.2176, -56.3698, 37.0518

# Details

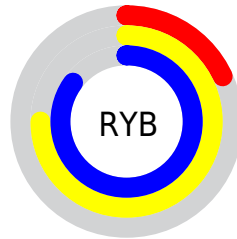
The YUV color **149.6120, -35.7977, -91.7447** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **112.3880, 35.7977, 91.7447**, and the grayscale version is **150.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **200.4990, -34.2630, -70.5976**, and **95.6300, -39.7506, -83.8675** is the 20% darker color. If you saturate the color by 10%, you get **140.9820, -40.4171, -103.4702**, and if you desaturate by 10%, it is **158.2420, -31.1783, -80.0192**.

# Distribution



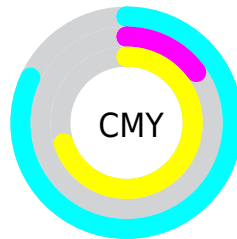
- Red (18%)
- Green (85%)
- Blue (30%)



- Red (18%)
- Yellow (75%)
- Blue (85%)



- Cyan (79%)
- Magenta (0%)
- Yellow (65%)
- Black (15%)



- Cyan (82%)
- Magenta (15%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 149.6120, -35.7977, -91.7447 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 149.6120, -35.7977, -91.7447 by changing the saturation by 10% instead.



■ 149.6120,  
-35.7977, -91.7447

■ 149.6120,  
-35.7977, -91.7447

■ 255.0000, 0.0000,  
0.0000

■ 115.9420,  
-33.0024, -101.6811

■ 200.4990,  
-34.2630, -70.5976

■ 95.6300, -39.7506,  
-83.8675

■ 213.2590,  
-26.7497, -53.7241

■ 78.0710, -38.4890,  
-68.4683

■ 225.7200,  
-19.0890, -37.4654

■ 62.2220, -30.6754,  
-54.5687

■ 238.1810,  
-11.4282, -21.2067

■ 47.5470, -23.4407,  
-41.6987

■ 250.8700, -2.8939,  
-5.1480

■ 33.4590, -16.4953,  
-29.3435

■ 18.1970, -8.9711,

-15.9588

■ 0.0000, 0.0000,  
0.0000

■ 149.6120,  
-35.7977, -91.7447

■ 149.6120,  
-35.7977, -91.7447

■ 140.9820,  
-40.4171, -103.4702

■ 158.2420,  
-31.1783, -80.0192

■ 132.7650,  
-44.7471, -114.6809

■ 166.4590,  
-26.8483, -68.8085


■ 131.9390,  
-45.3259, -115.7105


■ 175.0890,  
-22.2289, -57.0831

■ 183.7190,  
-17.6095, -45.3576

■ 192.2350,  
-13.4269, -33.5321

 200.5660, -8.6600,  
-22.4214

 209.1960, -4.0406,  
-10.6959

 217.7120, 0.1420,  
1.1296

 226.0430, 4.9088,  
12.2403

# Harmonies

## Analogous

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



169.4040, -83.5162, 0.5227



149.6120, -35.7977, -91.7447



149.8420, 5.5009, -131.4114

# Triad

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



149.6120, -35.7977, -91.7447



149.9920, 51.7689, -131.5430



153.2700, -9.0071, 89.2172

# Complementary

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



149.6120, -35.7977, -91.7447



112.3880, 35.7977, 91.7447

# 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.



160.7430, 27.2417, 82.6634



149.6120, -35.7977, -91.7447



172.4370, 40.7036, -35.4632

# Square

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



149.6120, -35.7977, -91.7447



158.7970, 47.4281, -139.2650



186.3210, 33.8587, 60.2315



165.6240, -53.0586, 78.3828



# Rectangle

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



149.6120, -35.7977, -91.7447



157.6280, 30.2564, -138.2398



186.3210, 33.8587, 60.2315



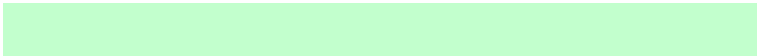
152.7120, 4.0860, 89.7066

# Sweetspot

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



149.6120, -35.7977, -91.7447



231.0610, -12.8481, -32.5025



187.8240, -70.4122, -2.4766



113.4030, -8.0867, -19.6474



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.



149.6120, -35.7977, -91.7447



160.1840, -50.3767, -129.0804



159.4160, 1.7669, -100.3428



105.6850, -2.3097, -5.8627



105.1990, -36.0871, -92.2595



28.0280, -9.3808, -24.5806



# Inverse Universe

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



112.3880, 35.7977, 91.7447



107.8160, 50.3767, 129.0804



102.5840, -1.7669, 100.3428



103.3150, 2.3097, 5.8627



67.8010, 36.0871, 92.2595

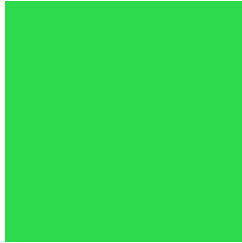


17.9720, 9.3808, 24.5806



# Previews

## White Background



This preview shows how the YUV color 149.6120, -35.7977, -91.7447 looks on a white 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



# Black Background



This preview shows how the YUV color 149.6120, -35.7977, -91.7447 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 ✓ Pass

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

# YUV 149.6120, -35.7977, -91.7447 Background



This preview shows how black text looks on a background with the YUV color 149.6120, -35.7977, -91.7447.



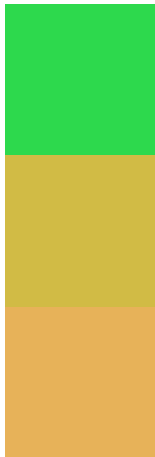
This preview shows how white text looks on a background with the YUV color 149.6120, -35.7977, -91.7447.



# 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

149.6120, -35.7977, -91.7447

### Protanopia

180.1260, -54.7851, 25.3225

### Deuteranopia

183.7010, -46.6876, 41.4812



## Tritanopia

172.9450, 23.1981, -67.4808

# Trichromacy



## Original Color

149.6120, -35.7977, -91.7447



## Protanomaly

168.9850, -47.8136, -17.5268



## Deuteranomaly

171.1310, -42.4626, -7.1309



## Tritanomaly

164.2710, 1.8384, -76.5367

# Monochromacy



## Original Color

149.6120, -35.7977, -91.7447



## Achromatopsia

150.0000, 0.0000, 0.0000



## Achromatomaly

149.6480, -13.1375, -33.0173

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 149.6120, -35.7977, -91.7447 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(45, 217, 77)` looks like.

```
.text, #text, p{  
    color:rgb(45, 217, 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(45, 217, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 217, 77) }
```

## Border

The CSS property to change the border of an element to YUV 149.6120, -35.7977, -91.7447 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(45, 217, 77) }
```



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

```
.border{ border-color:rgb(45, 217, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 217, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 217, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 217, 77);  
box-shadow:4px 4px 4px 4px rgb(45, 217,  
77) }
```

# Background

The CSS property to change the background color of an element to YUV 149.6120, -35.7977, -91.7447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 217, 77) }
```

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

```
.background{ background-color: rgb(45, 217,  
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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