

Converting Colors

YUV(120.5040, -15.0385,
-76.7410)

Have a look what the booklet for
YUV(120.5040, -15.0385, -76.7410)
contains.

YUV(120.5040, -15.0385, -76.7410)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YUV(120.5040, -15.0385,
-76.7410)**

Conversions

Conversions Part 1

Format	Color
Hex	21AB5A
RGB	33, 171, 90
RGB Percent	13%, 67%, 35%
CMY	0.8706, 0.3294, 0.6471
CMYK	0.81, 0.00, 0.47, 0.33
HSL	145°, 68%, 40%
HSV	145°, 81%, 67%
XYZ	17.0356, 30.1873, 14.6017
YIQ	120.5040, -56.2470, -54.4470

Conversions

Conversions Part 2

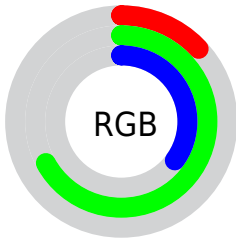
Format	Color
RYB	33, 131, 171
Decimal	2206554
CIELab	61.82, -53.50, 31.79
CIELCh	62, 62.236, 149.279
Yxy	30.1873, 0.2755, 0.4883
Android (android.graphics.Color)	4280396634 (0xFF21AB5A)
YUV	120.5040, -15.0385, -76.7410
Hunter-Lab	54.9430, -40.8047, 22.7031

Details

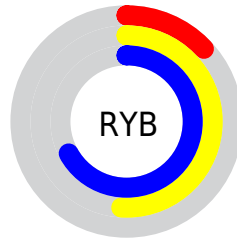
The YUV color **120.5040, -15.0385, -76.7410** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **83.4960, 15.0385, 76.7410**, and the grayscale version is **121.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **179.8210, -19.1388, -68.2490**, and **73.4670, -15.5132, -64.4306** is the 20% darker color. If you saturate the color by 10%, you get **114.2810, -16.9005, -86.1924**, and if you desaturate by 10%, it is **126.7270, -13.1764, -67.2896**.

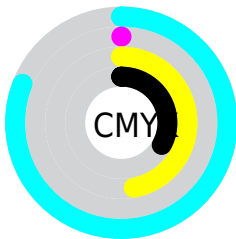
Distribution



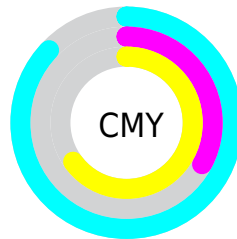
- Red (13%)
- Green (67%)
- Blue (35%)



- Red (13%)
- Yellow (51%)
- Blue (67%)



- Cyan (81%)
- Magenta (0%)
- Yellow (47%)
- Black (33%)



- Cyan (87%)
- Magenta (33%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the YUV color 120.5040, -15.0385, -76.7410 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 120.5040, -15.0385, -76.7410 by changing the saturation by 10% instead.

■ 120.5040,
-15.0385, -76.7410

■ 120.5040,
-15.0385, -76.7410

■ 255.0000, 0.0000,
0.0000

■ 92.0520, -12.8436,
-80.7296

■ 179.8210,
-19.1388, -68.2490

■ 73.4670, -15.5132,
-64.4306

■ 208.3050,
-19.8704, -66.9195

■ 56.0560, -18.7616,
-49.1611

■ 220.4670,
-12.0622, -51.2756

■ 39.3290, -19.3892,
-34.4915

■ 232.3300, -4.1067,
-36.2464

■ 26.4150, -13.0226,
-23.1660

■ 244.6060, 4.1382,
-20.7025

■ 7.0440, -3.4727,
-6.1776

■ 253.8040, 0.5896,

■ 0.0000, 0.0000,

-2.4591

0.0000

■ 120.5040,
-15.0385, -76.7410

■ 120.5040,
-15.0385, -76.7410

■ 114.2810,
-16.9005, -86.1924

■ 126.7270,
-13.1764, -67.2896

■ 108.4710,
-18.4732, -95.1291

■ 132.9500,
-11.3143, -57.8381

■ 139.1730, -9.4523,
-48.3867

■ 145.3960, -7.5902,
-38.9353

■ 151.9180, -5.8756,
-28.8691

■ 158.1410, -4.0135,
-19.4177

■ 164.3640, -2.1515,
-9.9662

■ 170.5870, -0.2894,
-0.5148

■ 176.8100, 1.5727,
8.9366

Harmonies

Analogous

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



137.0720, -46.3775, -11.4641



120.5040, -15.0385, -76.7410



119.3690, 13.1291, -104.6866

Triad

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



120.5040, -15.0385, -76.7410



120.6420, 66.2385, -105.8030



145.3010, -22.8264, 88.3130

Complementary

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



120.5040, -15.0385, -76.7410



83.4960, 15.0385, 76.7410

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.



147.3480, 2.7864, 86.5178



120.5040, -15.0385, -76.7410



150.9430, 46.8631, -4.3350

Square

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



120.5040, -15.0385, -76.7410



127.0190, 57.6716, -111.3957



152.7410, 26.7497, 53.7241



145.3820, -46.0373, 66.3170

Rectangle

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



120.5040, -15.0385, -76.7410



123.7010, 29.7274, -108.4858



152.7410, 26.7497, 53.7241



145.2010, -14.3961, 91.0317

Sweetspot

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



120.5040, -15.0385, -76.7410



202.6190, -5.7282, -29.4839



138.8230, -52.1707, -20.0158



100.2660, -3.5821, -17.7733



240.0000, 0.0000, 0.0000



112.0000, 0.0000, 0.0000

Same Dimension

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



120.5040, -15.0385, -76.7410



143.3510, -23.3440, -119.5798



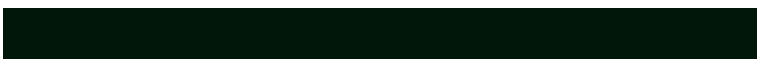
128.1420, 14.2270, -83.4395



83.7390, -0.8573, -5.0331



95.1180, -16.3272, -83.4185



14.5270, -2.7248, -12.7402

Inverse Universe

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



83.4960, 15.0385, 76.7410



85.6490, 23.3440, 119.5798



75.8580, -14.2270, 83.4395



81.2610, 0.8573, 5.0331



54.8820, 16.3272, 83.4185



8.3590, 2.2880, 12.8402

Previews

White Background



This preview shows how the YUV color 120.5040, -15.0385, -76.7410 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 120.5040, -15.0385, -76.7410 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 120.5040, -15.0385, -76.7410 Background



This preview shows how black text looks on a background with the YUV color 120.5040, -15.0385, -76.7410.



This preview shows how white text looks on a background with the YUV color 120.5040, -15.0385, -76.7410.

-76.7410.

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

120.5040, -15.0385, -76.7410

Protanopia

144.9610, -31.0398, 15.8202

Deuteranopia

147.6340, -24.9626, 26.6310



Tritanopia

136.2730, 19.0924, -57.2444

Trichromacy



Original Color

120.5040, -15.0385, -76.7410



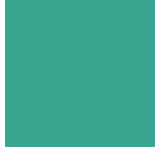
Protanomaly

135.9460, -25.1164, -17.4926



Deuteranomaly

137.9020, -21.6437, -11.3151



Tritanomaly

130.3140, 6.7472, -64.2964

Monochromacy



Original Color

120.5040, -15.0385, -76.7410



Achromatopsia

121.0000, 0.0000, 0.0000



Achromatomaly

120.7440, -5.2968, -27.8395

CSS Examples

Text

The CSS property to change the color of the text to YUV 120.5040, -15.0385, -76.7410 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(33, 171, 90)` looks like.

```
.text, #text, p{  
    color:rgb(33, 171, 90)  
}
```

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(33, 171, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 171, 90) }
```

Border

The CSS property to change the border of an element to YUV 120.5040, -15.0385, -76.7410 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(33, 171, 90) }
```


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

```
.border{ border-color:rgb(33, 171, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 171, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 171, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 171, 90);  
box-shadow:4px 4px 4px 4px rgb(33, 171,  
90) }
```

Background

The CSS property to change the background color of an element to YUV 120.5040, -15.0385, -76.7410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 171, 90) }
```

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

```
.background{ background-color: rgb(33, 171,  
90) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor