

Converting Colors

YUV(170.7550, -72.8432,
-62.9291)

Have a look what the booklet for
YUV(170.7550, -72.8432, -62.9291)
contains.

YUV(170.7550, -72.8432, -62.9291)	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(170.7550, -72.8432,
-62.9291)**

Conversions

Conversions Part 1

Format	Color
Hex	63EC17
RGB	99, 236, 23
RGB Percent	39%, 93%, 9%
CMY	0.6118, 0.0745, 0.9098
CMYK	0.58, 0.00, 0.90, 0.07
HSL	99°, 85%, 51%
HSV	99°, 90%, 93%
XYZ	35.2957, 62.7054, 11.0537
YIQ	170.7550, -13.2790, -95.2870

Conversions

Conversions Part 2

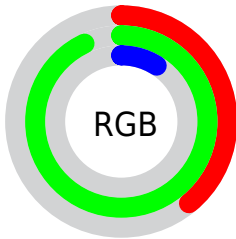
Format	Color
R _Y B	23, 236, 160
Decimal	6548503
CIE Lab	83.29, -68.57, 77.89
CIE LCh	83, 103.771, 131.362
Yxy	62.7054, 0.3237, 0.5750
Android (android.graphics.Color)	4284738583 (0xFF63EC17)
YUV	170.7550, -72.8432, -62.9291
Hunter-Lab	79.1868, -59.0145, 47.1544

Details

The YUV color **170.7550, -72.8432, -62.9291** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **88.2450, 72.8432, 62.9291**, and the grayscale version is **171.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **209.3660, -55.8894, -40.6630**, and **105.0730, -51.8010, -92.1490** is the 20% darker color. If you saturate the color by 10%, you get **163.6480, -80.6785, -69.8513**, and if you desaturate by 10%, it is **177.9760, -64.5712, -56.1070**.

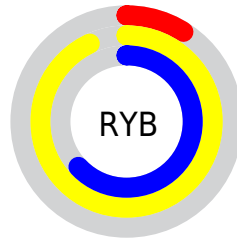
Distribution



Red (39%)

Green (93%)

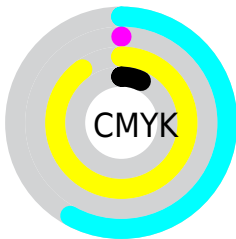
Blue (9%)



Red (9%)

Yellow (93%)

Blue (63%)

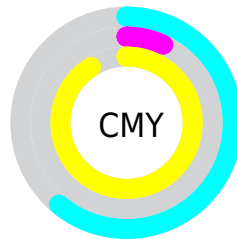


Cyan (58%)

Magenta (0%)

Yellow (90%)

Black (7%)



Cyan (61%)

Magenta (7%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the YUV color 170.7550, -72.8432, -62.9291 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 170.7550, -72.8432, -62.9291 by changing the saturation by 10% instead.

■ 170.7550,
-72.8432, -62.9291

■ 170.7550,
-72.8432, -62.9291

■ 255.0000, 0.0000,
0.0000

■ 140.0470,
-69.0432, -68.4472

■ 209.3660,
-55.8894, -40.6630

■ 105.0730,
-51.8010, -92.1490

■ 221.9410,
-47.7919, -24.5043

■ 88.6370, -43.6980,
-77.7346

■ 234.5160,
-39.6944, -8.3455

■ 72.7880, -35.8845,
-63.8351

■ 246.9060,
-31.0127, 7.0984

■ 57.5260, -28.3603,
-50.4503

■ 250.2120,
-18.3455, 4.1991

■ 42.2640, -20.8362,
-37.0655

■ 253.6320, -5.2416,

■ 28.7630, -14.1802,

1.1997

-25.2252

■ 11.7400, -5.7878,
-10.2960

■ 0.0000, 0.0000,
0.0000

■ 170.7550,
-72.8432, -62.9291

■ 170.7550,
-72.8432, -62.9291

■ 163.6480,
-80.6785, -69.8513

■ 177.9760,
-64.5712, -56.1070

■ 185.0830,
-56.7359, -49.1848

■ 192.6030,
-48.6113, -41.7478

■ 199.7100,
-40.7760, -34.8257

■ 206.9310,
-32.5040, -28.0035

■ 214.1520,
-24.2319, -21.1813

■ 221.2590,
-16.3967, -14.2591

■ 228.4800, -8.1246,
-7.4370

■ 235.8860, -0.4368,
0.1000

Harmonies

Analogous

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



190.4900, -93.9116, 21.4953



170.7550, -72.8432, -62.9291



161.0630, -9.8911, -141.2523

Triad

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



170.7550, -72.8432, -62.9291



167.0150, 43.3766, -146.4722



148.4380, 13.0951, 93.4549

Complementary

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



170.7550, -72.8432, -62.9291



88.2450, 72.8432, 62.9291

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.



168.7110, 42.5405, 75.6755



170.7550, -72.8432, -62.9291



150.5790, 51.4796, -132.0578

Square

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



170.7550, -72.8432, -62.9291



174.6460, 39.6145, -153.1645



200.4090, 26.9134, 47.8763



162.3760, -40.1184, 81.2312

Rectangle

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



170.7550, -72.8432, -62.9291



170.5760, 18.9430, -149.5952



200.4090, 26.9134, 47.8763



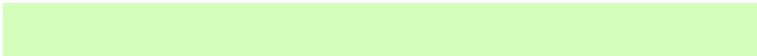
150.9120, 27.6514, 91.2852

Sweetspot

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



170.7550, -72.8432, -62.9291



233.9780, -23.6532, -20.1517



165.9320, -70.4655, 61.4496



115.2530, -13.9287, -12.4999



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.



170.7550, -72.8432, -62.9291



176.8940, -87.2087, -75.3290



151.2230, -49.4099, -112.4516



113.6530, -3.7729, -3.2037



125.6820, -61.9612, -53.2181



37.3790, -18.4278, -16.1184

Inverse Universe

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



88.2450, 72.8432, 62.9291



78.1060, 87.2087, 75.3290



107.7770, 49.4099, 112.4516



109.3470, 3.7729, 3.2037



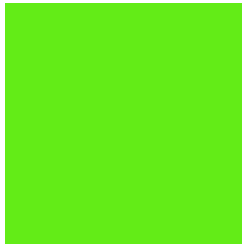
55.3180, 61.9612, 53.2181



16.3220, 18.5753, 15.5036

Previews

White Background



This preview shows how the YUV color 170.7550, -72.8432, -62.9291 looks on a white background.

Color Contrast Check

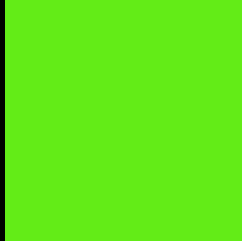
Large Text (above 18pt) WCAG AA × Fail

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 170.7550, -72.8432, -62.9291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

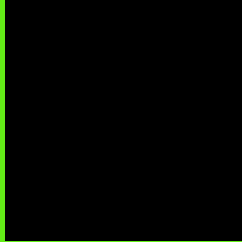
Any Text WCAG AA ✓ Pass

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 170.7550, -72.8432, -62.9291 Background



This preview shows how black text looks on a background with the YUV color 170.7550, -72.8432, -62.9291.



This preview shows how white text looks on a background with the YUV color 170.7550, -72.8432, -62.9291.

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

170.7550, -72.8432, -62.9291

Protanopia

190.8600, -91.6290, 36.0798

Deuteranopia

200.4170, -59.3656, 47.8693



Tritanopia

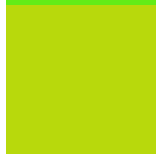
196.2350, 20.0971, -52.8261

Trichromacy



Original Color

170.7550, -72.8432, -62.9291



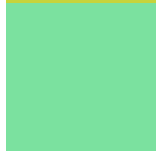
Protanomaly

183.7630, -84.6792, 0.2078



Deuteranomaly

189.7850, -64.4770, 7.2046



Tritanomaly

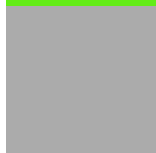
186.9780, -13.7932, -56.1087

Monochromacy



Original Color

170.7550, -72.8432, -62.9291



Achromatopsia

171.0000, 0.0000, 0.0000



Achromatomaly

171.1580, -26.6999, -22.9406

CSS Examples

Text

The CSS property to change the color of the text to YUV 170.7550, -72.8432, -62.9291 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(99, 236, 23)` looks like.

```
.text, #text, p{  
    color:rgb(99, 236, 23)  
}
```

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(99, 236, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 236, 23) }
```

Border

The CSS property to change the border of an element to YUV 170.7550, -72.8432, -62.9291 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(99, 236, 23) }
```


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

```
.border{ border-color:rgb(99, 236, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 236, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 236, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 236, 23);  
box-shadow:4px 4px 4px 4px rgb(99, 236,  
23) }
```

Background

The CSS property to change the background color of an element to YUV 170.7550, -72.8432, -62.9291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 236, 23) }
```

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

```
.background{ background-color: rgb(99, 236,  
23) }
```

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