

Converting Colors

YUV(78.5930, -38.7463,
154.7089)

Have a look what the booklet for
YUV(78.5930, -38.7463, 154.7089)
contains.

YUV(78.5930, -38.7463, 154.7089)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

**YUV(78.5930, -38.7463,
154.7089)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0400
RGB	255, 4, 0
RGB Percent	100%, 2%, 0%
CMY	0.0000, 0.9843, 1.0000
CMYK	0.00, 0.98, 1.00, 0.00
HSL	1°, 100%, 50%
HSV	1°, 100%, 100%
XYZ	41.2834, 21.3468, 1.9445
YIQ	78.5930, 150.8800, 51.9680

Conversions

Conversions Part 2

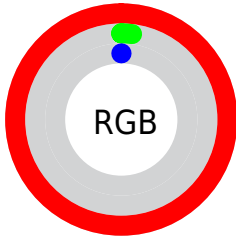
Format	Color
RYB	255, 4, 0
Decimal	16712704
CIELab	53.33, 79.84, 67.25
CIELCh	53, 104.387, 40.110
Yxy	21.3468, 0.6393, 0.3306
Android (android.graphics.Color)	4294902784 (0xFFFF0400)
YUV	78.5930, -38.7463, 154.7089
Hunter-Lab	46.2026, 78.6404, 29.8466

Details

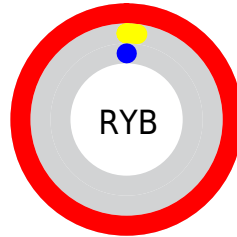
The YUV color **78.5930, -38.7463, 154.7089** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **176.4070, 38.7463, -154.7089**, and the grayscale version is **79.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.9100, -39.8886, 100.9339**, and **55.9130, -27.5651, 114.9633** is the 20% darker color. If you saturate the color by 10%, you get **78.5930, -38.7463, 154.7089**, and if you desaturate by 10%, it is **96.1180, -35.0612, 139.3395**.

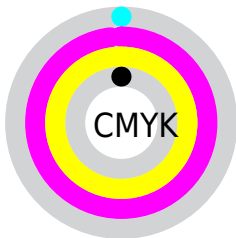
Distribution



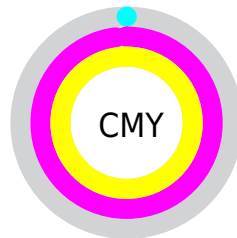
- Red (100%)
- Green (2%)
- Blue (0%)



- Red (100%)
- Yellow (2%)
- Blue (0%)



- Cyan (0%)
- Magenta (98%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (98%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the YUV color 78.5930, -38.7463, 154.7089 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 78.5930, -38.7463, 154.7089 by changing the saturation by 10% instead.


 78.5930, -38.7463,
154.7089


 78.5930, -38.7463,
154.7089


 254.3160, -2.6208,
0.5999


 66.0790, -32.5769,
135.8657


 139.9100,
-39.8886, 100.9339

 55.9130, -27.5651,
114.9633


 161.5440,
-38.2292, 81.9609


 46.0460, -22.7007,
94.6757


 182.1180,
-35.5542, 63.9175

 36.2930, -17.3994,
74.2880

 202.8060,
-32.4424, 45.7741

 27.3660, -11.5194,
54.9300

 224.0810,
-29.6199, 27.1160


 17.5700, -7.6760,
35.4571

 244.8830,


 5.6810, -2.8007,


-26.0713, 8.8726


11.6808


 251.0100,
-15.2879, 3.4992


 0.0000, 0.0000,
0.0000


 78.5930, -38.7463,
154.7089

 96.1180, -35.0612,
139.3395

 113.7570,
-30.9392, 123.8701

 131.3960,
-26.8172, 108.4007

 148.9210,
-23.1321, 93.0313

 167.1470,
-19.2995, 77.0471

■ 184.6720,
-15.6143, 61.6777

■ 202.3110,
-11.4923, 46.2083

■ 219.8360, -7.8071,
30.8388

■ 237.4750, -3.6852,
15.3694

Harmonies

Analogous

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



87.8730, 6.9646, 146.5704



78.5930, -38.7463, 154.7089



118.5110, -58.4259, 73.2199

Triad

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



78.5930, -38.7463, 154.7089



99.5860, -19.5159, -87.3369



105.9670, 73.4733, -92.9331

Complementary

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



78.5930, -38.7463, 154.7089



176.4070, 38.7463, -154.7089

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.



119.4680, 66.8173, -104.7734



78.5930, -38.7463, 154.7089



112.9920, 21.6959, -99.0940

Square

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



78.5930, -38.7463, 154.7089



88.6370, -43.6980, -77.7346



122.7960, 59.2606, -107.6921



124.4460, 64.3631, 29.4269

Rectangle

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



78.5930, -38.7463, 154.7089



119.7200, -59.0220, 30.9406



122.7960, 59.2606, -107.6921



111.8370, 70.5794, -98.0810

Sweetspot

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



78.5930, -38.7463, 154.7089



202.3110, -11.4923, 46.2083



105.3150, 73.7947, 131.2737



95.7540, -6.7807, 28.2797



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.



78.5930, -38.7463, 154.7089



151.3810, -74.6308, 90.8739



118.8870, -1.9163, 7.9921



58.8700, -29.0229, 115.8780



19.7230, -9.7234, 38.8309

Inverse Universe

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



176.4070, 38.7463, -154.7089



104.2060, 74.3414, -91.3887



123.5260, 2.2057, -7.4773



132.1300, 29.0229, -115.8780



44.2770, 9.7234, -38.8309

Previews

White Background



This preview shows how the YUV color 78.5930, -38.7463, 154.7089 looks on a white background.

Color Contrast Check

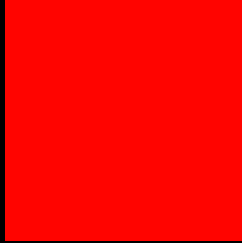
Large Text (above 18pt) WCAG AA ✓ Pass

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 78.5930, -38.7463, 154.7089 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 78.5930, -38.7463, 154.7089

Background



This preview shows how black text looks on a background with the YUV color 78.5930, -38.7463, 154.7089.



This preview shows how white text looks on a background with the YUV color 78.5930, -38.7463,

154.7089.

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

78.5930, -38.7463, 154.7089

Protanopia

122.8400, -44.2911, 19.4343

Deuteranopia

120.0520, -59.1856, 36.7884



Tritanopia

89.7350, -44.2394, 143.1834

Trichromacy



Original Color

78.5930, -38.7463, 154.7089

Protanomaly

107.0170, -42.4064, 68.3911

Deuteranomaly

104.9770, -51.7537, 79.8272

Tritanomaly

85.9250, -42.3610, 147.4018

Monochromacy



Original Color

78.5930, -38.7463, 154.7089

Achromatopsia

79.0000, 0.0000, 0.0000

Achromatomaly

78.9810, -14.2876, 56.1447

CSS Examples

Text

The CSS property to change the color of the text to YUV 78.5930, -38.7463, 154.7089 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(255, 4, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 4, 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(255, 4, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 4, 0) }
```

Border

The CSS property to change the border of an element to YUV 78.5930, -38.7463, 154.7089 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(255, 4, 0) }
```

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

```
.border{ border-color:rgb(255, 4, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 4, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 4, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(255, 4, 0); box-shadow:4px  
4px 4px 4px rgb(255, 4, 0) }
```

Background

The CSS property to change the background color of an element to YUV 78.5930, -38.7463, 154.7089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 4, 0) }
```

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

```
.background{ background-color: rgb(255, 4,  
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](#).

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