

# Converting Colors

YUV(81.8000, -29.4814,  
122.9554)

Have a look what the booklet for  
YUV(81.8000, -29.4814, 122.9554)  
contains.

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# Color

**YUV(81.8000, -29.4814,  
122.9554)**

# Conversions

Conversions Part 1	
Format	Color
Hex	DE1616
RGB	222, 22, 22
RGB Percent	87%, 9%, 9%
CMY	0.1294, 0.9137, 0.9137
CMYK	0.00, 0.90, 0.90, 0.13
HSL	0°, 82%, 48%
HSV	0°, 90%, 87%
XYZ	30.5559, 16.1613, 2.2680
YIQ	81.8000, 119.2000, 42.4000

# Conversions

## Conversions Part 2

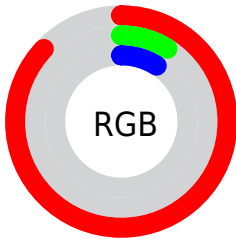
Format	Color
<a href="#">RYB</a>	<a href="#">222, 22, 22</a>
Decimal	<a href="#">14554646</a>
CIELab	<a href="#">47.19, 70.17, 53.91</a>
CIELCh	<a href="#">47, 88.490, 37.534</a>
Yxy	<a href="#">16.1613, 0.6238, 0.3299</a>
Android (android.graphics.Color)	<a href="#">4292744726</a> (0xFFDE1616)
YUV	<a href="#">81.8000, -29.4814, 122.9554</a>
Hunter-Lab	<a href="#">40.2012, 65.3214, 24.7959</a>

# Details

The YUV color **81.8000, -29.4814, 122.9554** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **162.2000, 29.4814, -122.9554**, and the grayscale version is **82.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.9900, -34.5051, 100.8638**, and **46.9430, -23.1429, 96.5200** is the 20% darker color. If you saturate the color by 10%, you get **66.3780, -32.7244, 136.4805**, and if you desaturate by 10%, it is **97.2220, -26.2384, 109.4303**.

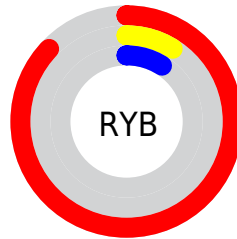
# Distribution



Red (87%)

Green (9%)

Blue (9%)



Red (87%)

Yellow (9%)

Blue (9%)

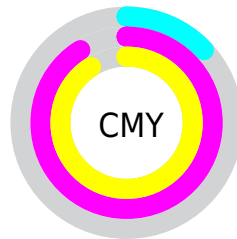


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (13%)



Cyan (13%)

Magenta (91%)

Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 81.8000, -29.4814, 122.9554 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 81.8000, -29.4814, 122.9554 by changing the saturation by 10% instead.





 81.8000, -29.4814,  
122.9554


 81.8000, -29.4814,  
122.9554


255.0000, 0.0000,  
0.0000


 56.5110, -27.8599,  
116.1929


 139.9900,  
-34.5051, 100.8638

 46.9430, -23.1429,  
96.5200


 160.4500,  
-32.2669, 82.9203

 37.0760, -18.2785,  
76.2323


 180.3230,  
-29.7392, 65.4917

 28.0350, -12.8353,  
56.9743

 200.8970,  
-27.0642, 47.4483

 19.1790, -7.9762,  
38.4310

 220.9980,  
-23.6630, 29.8198


 8.4860, -3.6906,  
17.1138


 241.8000,


 0.0000, 0.0000,


-20.1144, 11.5764


0.0000


 252.1500,  
-10.9200, 2.4994


 81.8000, -29.4814,  
122.9554

 81.8000, -29.4814,  
122.9554


 66.3780, -32.7244,  
136.4805


 97.2220, -26.2384,  
109.4303

 112.6440,  
-22.9955, 95.9052


 128.7670,  
-19.6051, 81.7653


 144.1890,  
-16.3622, 68.2402

 159.6110,  
-13.1192, 54.7152

 175.0330, -9.8763,  
41.1901

 190.4550, -6.6333,  
27.6650

 206.5780, -3.2430,  
13.5251

 222.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



81.6220, 7.5814, 135.3895



81.8000, -29.4814, 122.9554



103.7150, -51.1315, 66.9019

# Triad

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



81.8000, -29.4814, 122.9554



86.5920, -18.5329, -75.9412



97.7490, 77.5247, -85.7259

# Complementary

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



81.8000, -29.4814, 122.9554



162.2000, 29.4814, -122.9554

# 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.



107.9730, 71.0053, -94.6923



81.8000, -29.4814, 122.9554



97.5870, 15.9796, -85.5838

# Square

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



81.8000, -29.4814, 122.9554



81.0830, -39.9739, -58.8318



105.7950, 47.4291, -92.7822



111.6800, 59.3178, 14.3126



# Rectangle

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



81.8000, -29.4814, 122.9554



105.2670, -51.8966, 32.2148



105.7950, 47.4291, -92.7822



102.4450, 75.2096, -89.8443

# Sweetspot

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



81.8000, -29.4814, 122.9554



206.6310, -10.1711, 42.4196



104.6000, 57.8782, 102.9598



99.2590, -6.0437, 25.2059



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.



81.8000, -29.4814, 122.9554



76.2450, -37.5888, 156.7681



140.5000, -58.4205, 71.4755



104.2890, -1.6215, 6.7625



52.6240, -25.9436, 108.2008



14.3520, -7.0755, 29.5093



# Inverse Universe

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



162.2000, 29.4814, -122.9554



178.7550, 37.5888, -156.7681



103.5000, 58.4205, -71.4755



108.7110, 1.6215, -6.7625



123.3760, 25.9436, -108.2008



33.6480, 7.0755, -29.5093



# Previews

## White Background



This preview shows how the YUV color 81.8000, -29.4814, 122.9554 looks on a white 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



# Black Background



This preview shows how the YUV color 81.8000, -29.4814, 122.9554 looks on a black 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

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

# YUV 81.8000, -29.4814, 122.9554

## Background



This preview shows how black text looks on a background with the YUV color 81.8000, -29.4814, 122.9554.



This preview shows how white text looks on a background with the YUV color 81.8000, -29.4814,



# 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

81.8000, -29.4814, 122.9554

### Protanopia

108.6790, -33.3657, 15.1905

### Deuteranopia




105.5660, -52.0440, 32.8296



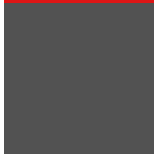
## Tritanopia

81.4750, -33.2652, 123.2404

# Trichromacy

	<b>Original Color</b> 81.8000, -29.4814, 122.9554
	<b>Protanomaly</b> 98.9750, -32.0327, 54.3959
	<b>Deuteranomaly</b> 96.9520, -43.8533, 65.8171
	<b>Tritanomaly</b> 81.8170, -31.9548, 122.9405

# Monochromacy

	<b>Original Color</b> 81.8000, -29.4814, 122.9554
	<b>Achromatopsia</b> 82.0000, 0.0000, 0.0000
	<b>Achromatomaly</b> 81.8270, -10.7607, 44.8787

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 81.8000, -29.4814, 122.9554 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(222, 22, 22)` looks like.

```
.text, #text, p{  
    color:rgb(222, 22, 22)  
}
```

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(222, 22, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 22, 22) }
```

## Border

The CSS property to change the border of an element to YUV 81.8000, -29.4814, 122.9554 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(222, 22, 22) }
```



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

```
.border{ border-color:rgb(222, 22, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 22, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 22, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 22, 22);  
box-shadow:4px 4px 4px 4px rgb(222, 22,  
22) }
```

# Background

The CSS property to change the background color of an element to YUV 81.8000, -29.4814, 122.9554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 22, 22) }
```

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

```
.background{ background-color: rgb(222, 22,  
22) }
```

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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