

# Converting Colors

YUV(146.2860, 53.5960,  
29.5672)

Have a look what the booklet for  
YUV(146.2860, 53.5960, 29.5672)  
contains.

<b>YUV(146.2860, 53.5960, 29.5672)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(146.2860, 53.5960,  
29.5672)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B46CFF
RGB	180, 108, 255
RGB Percent	71%, 42%, 100%
CMY	0.2941, 0.5765, 0.0000
CMYK	0.29, 0.58, 0.00, 0.00
HSL	269°, 100%, 71%
HSV	269°, 58%, 100%
XYZ	42.2350, 27.6484, 97.7184
YIQ	146.2860, -4.2750, 60.9810

# Conversions

## Conversions Part 2

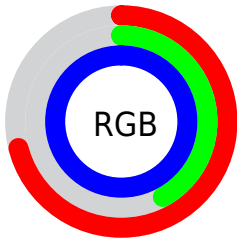
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	180, 108, 255
Decimal	11824383
CIE <sub>Lab</sub>	59.57, 55.82, -62.62
CIE <sub>LCh</sub>	60, 83.887, 311.710
Yxy	27.6484, 0.2520, 0.1650
Android (android.graphics.Color)	4290014463 (0xFFB46CFF)
YUV	146.2860, 53.5960, 29.5672
Hunter-Lab	52.5818, 51.3574, -73.3778

# Details

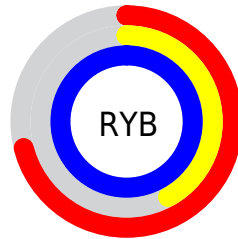
The YUV color **146.2860, 53.5960, 29.5672** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **216.7140, -53.5960, -29.5672**, and the grayscale version is **146.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **195.6250, 29.2719, 38.0399**, and **91.8080, 51.8597, 26.4784** is the 20% darker color. If you saturate the color by 10%, you get **127.7240, 62.7471, 34.4451**, and if you desaturate by 10%, it is **165.4350, 44.1555, 24.1745**.

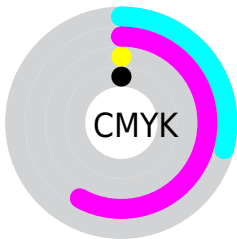
# Distribution



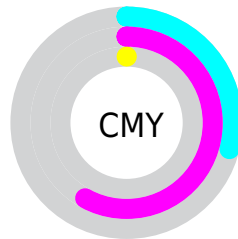
- Red (71%)
- Green (42%)
- Blue (100%)



- Red (71%)
- Yellow (42%)
- Blue (100%)



- Cyan (29%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (58%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 146.2860, 53.5960, 29.5672 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 146.2860, 53.5960, 29.5672 by changing the saturation by 10% instead.



146.2860, 53.5960,  
29.5672

146.2860, 53.5960,  
29.5672

255.0000, 0.0000,  
0.0000

119.0470, 52.7278,  
28.0228

195.6250, 29.2719,  
38.0399

91.8080, 51.8597,  
26.4784

216.8450, 18.8104,  
33.4619

63.8080, 51.8597,  
26.4784

233.2810, 10.7075,  
19.0476

35.3240, 52.5913,  
25.1489

250.3040, 2.3151,  
4.1184

22.4930, 46.0990,  
7.4606

10.3740, 39.7486,  
-9.0980

7.5240, 28.8287,

-6.5985

■ 6.6630, 17.9141,  
-5.8435

■ 2.9810, 8.8834,  
-2.6143

■ 146.2860, 53.5960,  
29.5672

■ 146.2860, 53.5960,  
29.5672

■ 127.7240, 62.7471,  
34.4451

■ 165.4350, 44.1555,  
24.1745

■ 108.5750, 72.1875,  
39.8377

■ 183.9970, 35.0045,  
19.2966

■ 90.0130, 81.3386,  
44.7156

■ 203.1460, 25.5640,  
13.9040

■ 70.8640, 90.7790,  
50.1083

■ 221.7080, 16.4130,  
9.0261

■ 66.4450, 92.9576,  
51.3527

■ 240.8570, 6.9725,  
3.6334

255.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



113.0110, 70.0006, -99.1106



146.2860, 53.5960, 29.5672



133.6190, 28.7818, 102.0661

# Triad

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



146.2860, 53.5960, 29.5672



134.9910, -66.5506, 65.7829



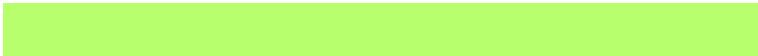
122.2190, 24.0490, -107.1861

# Complementary

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



146.2860, 53.5960, 29.5672



216.7140, -53.5960, -29.5672

# 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.



111.6800, -8.7162, -97.9434



146.2860, 53.5960, 29.5672



131.4160, -64.7881, 13.6672

# Square

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



146.2860, 53.5960, 29.5672



130.4980, -41.6575, 108.3113



113.3000, -55.8569, -51.1291



129.6120, 54.9143, -113.6697



# Rectangle

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



146.2860, 53.5960, 29.5672



117.7880, 12.4295, 120.3349



113.3000, -55.8569, -51.1291



119.3690, 13.1291, -104.6866

# Sweetspot

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



146.2860, 53.5960, 29.5672



223.1810, 15.6868, 8.6113



169.3700, 42.2156, -53.8215



108.5520, 9.5879, 4.7779



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.



146.2860, 53.5960, 29.5672



124.7780, 64.1994, 35.2747



168.1130, 42.8353, 74.4459



118.2760, 4.7939, 2.3889



49.8800, 69.5722, 38.6932



16.5650, 23.3855, 12.6595



# Inverse Universe

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



160.5030, 11.0910, 82.8739



141.8840, 13.3682, 99.2027



194.8870, -42.8353, -74.4459



119.5710, 0.7045, 7.3922



68.2810, 14.6515, 107.6246

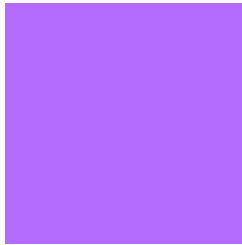


22.8980, 4.9803, 36.0465



# Previews

## White Background



This preview shows how the YUV color 146.2860, 53.5960, 29.5672 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

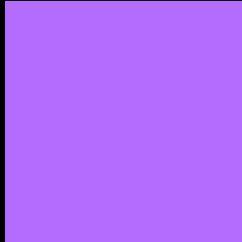
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the YUV color 146.2860, 53.5960, 29.5672 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

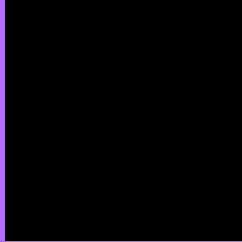
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 146.2860, 53.5960, 29.5672

## Background



This preview shows how black text looks on a background with the YUV color 146.2860, 53.5960, 29.5672.



This preview shows how white text looks on a background with the YUV color 146.2860, 53.5960,

29.5672.

# 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

146.2860, 53.5960, 29.5672

### Protanopia

137.5620, 57.8969, -43.4659

### Deuteranopia

132.1100, 56.6408, -60.6095



## Tritanopia

145.1310, 1.4144, 13.0401

# Trichromacy



## Original Color

146.2860, 53.5960, 29.5672



## Protanomaly

140.3850, 56.5052, -17.0006



## Deuteranomaly

137.6780, 55.3747, -27.7816



## Tritanomaly

145.2130, 20.6010, 19.1072

# Monochromacy



## Original Color

146.2860, 53.5960, 29.5672



## Achromatopsia

146.0000, 0.0000, 0.0000



## Achromatomaly

145.9300, 19.7545, 10.5854

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 146.2860, 53.5960, 29.5672 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(180, 108, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 108, 255)  
}
```

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(180, 108, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 108, 255) }
```

## Border

The CSS property to change the border of an element to YUV 146.2860, 53.5960, 29.5672 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(180, 108, 255) }
```



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

```
.border{ border-color:rgb(180, 108, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 108, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 108, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 108, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 108,  
255) }
```

# Background

The CSS property to change the background color of an element to YUV 146.2860, 53.5960, 29.5672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 108, 255) }
```

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

```
.background{ background-color: rgb(180,  
108, 255) }
```

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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