

Converting Colors

YUV(159.3380, 47.1614,
-100.2744)

Have a look what the booklet for
YUV(159.3380, 47.1614, -100.2744)
contains.

YUV(159.3380, 47.1614, -100.2744)	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(159.3380, 47.1614,
-100.2744)**

Conversions

Conversions Part 1

Format	Color
Hex	2DC7FF
RGB	45, 199, 255
RGB Percent	18%, 78%, 100%
CMY	0.8235, 0.2196, 0.0000
CMYK	0.82, 0.22, 0.00, 0.00
HSL	196°, 100%, 59%
HSV	196°, 82%, 100%
XYZ	39.5556, 48.6247, 101.9085
YIQ	159.3380, -109.7600, -15.2320

Conversions

Conversions Part 2

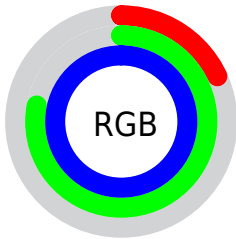
Format	Color
R _Y B	45, 134, 255
Decimal	3000319
CIE Lab	75.22, -19.88, -38.36
CIE LCh	75, 43.207, 242.611
Yxy	48.6247, 0.2081, 0.2558
Android (android.graphics.Color)	4281190399 (0xFF2DC7FF)
YUV	159.3380, 47.1614, -100.2744
Hunter-Lab	69.7314, -20.7747, -37.8369

Details

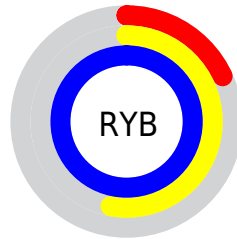
The YUV color **159.3380, 47.1614, -100.2744** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **140.6620, -47.1614, 100.2744**, and the grayscale version is **159.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **216.4290, 19.0155, -79.3062**, and **107.6870, 44.5243, -94.4415** is the 20% darker color. If you saturate the color by 10%, you get **147.7540, 52.8723, -112.0403**, and if you desaturate by 10%, it is **171.2210, 41.3030, -87.8938**.

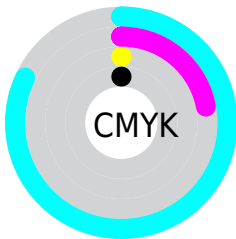
Distribution



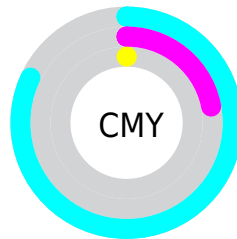
- Red (18%)
- Green (78%)
- Blue (100%)



- Red (18%)
- Yellow (53%)
- Blue (100%)



- Cyan (82%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (82%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YUV color 159.3380, 47.1614, -100.2744 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 159.3380, 47.1614, -100.2744 by changing the saturation by 10% instead.

■ 159.3380, 47.1614,
-100.2744

■ 159.3380, 47.1614,
-100.2744

255.0000, 0.0000,
0.0000

■ 126.7280, 48.9411,
-111.1405

■ 216.4290, 19.0155,
-79.3062

■ 107.6870, 44.5243,
-94.4415

■ 226.2960, 14.1511,
-59.0186

■ 89.3470, 40.2549,
-78.3573

■ 235.8640, 9.4340,
-39.3457

■ 72.1810, 35.4068,
-63.3027

■ 245.4320, 4.7170,
-19.6729

■ 55.1290, 30.9954,
-48.3481

■ 38.7780, 26.7314,
-34.0083

■ 24.8890, 21.7467,

-21.8277

■ 7.5920, 18.9351,
-6.6582

■ 3.4370, 10.6306,
-3.0142

■ 159.3380, 47.1614,
-100.2744

■ 159.3380, 47.1614,
-100.2744

■ 147.7540, 52.8723,
-112.0403

■ 171.2210, 41.3030,
-87.8938

■ 138.8390, 57.2674,
-121.7618

■ 182.8050, 35.5921,
-76.1280

■ 194.1010, 30.0232,
-63.2326

■ 205.6850, 24.3123,
-51.4667

■ 217.5680, 18.4540,
-39.0861

■ 229.1520, 12.7431,
-27.3203

■ 241.0350, 6.8847,
-14.9397

■ 252.0320, 1.4632,
-2.6591

■ 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.



146.2130, 39.8280, -128.2288



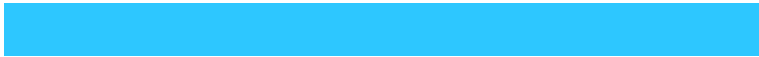
159.3380, 47.1614, -100.2744



178.5950, 37.6677, -41.7408

Triad

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



159.3380, 47.1614, -100.2744



187.5050, -2.2210, 59.1931



178.0240, -30.0848, -10.5450

Complementary

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



159.3380, 47.1614, -100.2744



140.6620, -47.1614, 100.2744

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.



181.8710, -37.8974, 22.0381



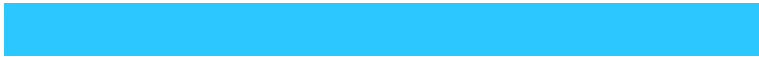
159.3380, 47.1614, -100.2744



185.4070, -20.4137, 61.0331

Square

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



159.3380, 47.1614, -100.2744



190.5040, 16.0205, 41.6540



184.6600, -34.3424, 48.5332



170.9020, -11.7837, -47.2721

Rectangle

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



159.3380, 47.1614, -100.2744



186.4680, 33.7863, -10.0574



184.6600, -34.3424, 48.5332



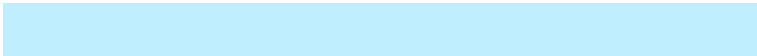
179.0640, -34.0486, 0.8209

Sweetspot

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



159.3380, 47.1614, -100.2744



225.8850, 14.3537, -30.5941



174.6540, -36.3114, -113.7066



109.8820, 8.9322, -18.3135



0.0000, 0.0000, 0.0000



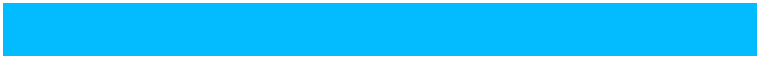
128.0000, 0.0000, 0.0000

Same Dimension

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



159.3380, 47.1614, -100.2744



140.3230, 56.5358, -120.4323



97.7030, 77.5474, -46.2205



121.7650, 3.0739, -5.9329



103.9540, 42.9137, -91.1677



34.8850, 14.3537, -30.5941

Inverse Universe

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



125.3460, 36.3114, 113.7066



99.4380, 43.6611, 136.4279



202.2970, -77.5474, 46.2205



119.9130, 2.0149, 7.0923



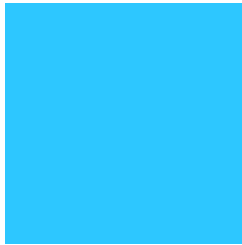
73.0690, 32.9970, 103.4255



24.4940, 11.0955, 34.6468

Previews

White Background



This preview shows how the YUV color 159.3380, 47.1614, -100.2744 looks on a white background.

Color Contrast Check

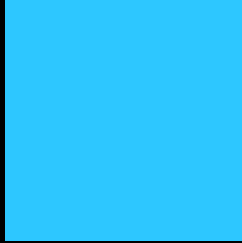
Large Text (above 18pt) WCAG AA × Fail

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 159.3380, 47.1614, -100.2744 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 159.3380, 47.1614, -100.2744 Background



This preview shows how black text looks on a background with the YUV color 159.3380, 47.1614, -100.2744.



This preview shows how white text looks on a background with the YUV color 159.3380, 47.1614, -100.2744.

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

159.3380, 47.1614, -100.2744

Protanopia

184.3550, 28.4190, -15.2203

Deuteranopia

183.4450, 35.2766, -21.4383



Tritanopia

144.9420, 37.4966, -127.1141

Trichromacy



Original Color

159.3380, 47.1614, -100.2744

Protanomaly

175.2910, 35.3525, -45.8592

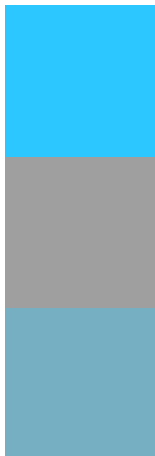
Deuteranomaly

174.7080, 39.5840, -49.7329

Tritanomaly

149.9200, 40.9584, -117.4478

Monochromacy



Original Color

159.3380, 47.1614, -100.2744

Achromatopsia

159.0000, 0.0000, 0.0000

Achromatomaly

159.5360, 16.9908, -36.4271

CSS Examples

Text

The CSS property to change the color of the text to YUV 159.3380, 47.1614, -100.2744 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(45, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(45, 199, 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(45, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 199, 255) }
```

Border

The CSS property to change the border of an element to YUV 159.3380, 47.1614, -100.2744 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(45, 199, 255) }
```


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

```
.border{ border-color:rgb(45, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(45, 199,  
255) }
```

Background

The CSS property to change the background color of an element to YUV 159.3380, 47.1614, -100.2744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 199, 255) }
```

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

```
.background{ background-color: rgb(45, 199,  
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](#).

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