

# Converting Colors

XYZ(37.5449, 47.1378, 93.4421)

Have a look what the booklet for  
XYZ(37.5449, 47.1378, 93.4421)  
contains.

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# Color

**XYZ(37.5299, 47.0830,  
93.4961)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2DC5F5
RGB	45, 197, 245
RGB Percent	18%, 77%, 96%
CMY	0.8235, 0.2274, 0.0392
CMYK	0.82, 0.20, 0.00, 0.04
HSL	194°, 91%, 57%
HSV	194°, 82%, 96%
XYZ	37.5299, 47.0830, 93.4961
YIQ	157.0240, -106.0000, -17.2960

# Conversions

## Conversions Part 2

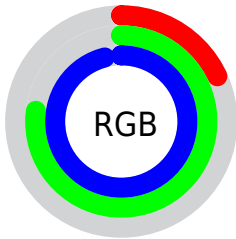
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	45, 131, 245
Decimal	2999797
CIE Lab	74.24, -22.16, -34.51
CIE LCh	74, 41.009, 237.290
Yxy	47.0830, 0.2107, 0.2643
Android (android.graphics.Color)	4281189877 (0xFF2DC5F5)
YUV	157.0240, 43.3722, -98.2450
Hunter-Lab	68.6171, -22.4498, -32.7553

# Details

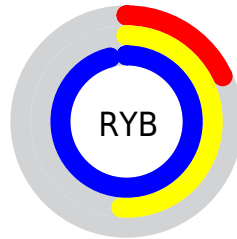
The XYZ color **37.5299, 47.0830, 93.4961** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **42.0466, 27.4343, 5.5639**, and the grayscale version is **31.9071, 33.5687, 36.5564**.

A 20% lighter version of the original color is **61.8040, 82.3887, 107.2529**, and **19.0078, 23.3190, 51.6433** is the 20% darker color. If you saturate the color by 10%, you get **35.4382, 44.0618, 93.0241**, and if you desaturate by 10%, it is **40.3012, 50.5336, 94.0170**.

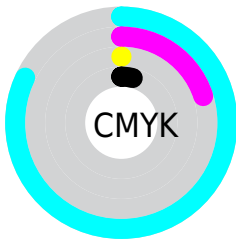
# Distribution



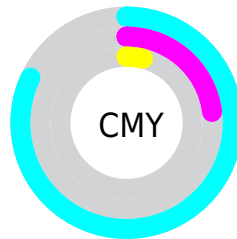
- Red (18%)
- Green (77%)
- Blue (96%)



- Red (18%)
- Yellow (51%)
- Blue (96%)



- Cyan (82%)
- Magenta (20%)
- Yellow (0%)
- Black (4%)



- Cyan (82%)
- Magenta (23%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5299, 47.0830, 93.4961 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 XYZ color 37.5299, 47.0830, 93.4961 by changing the saturation by 10% instead.



37.5299, 47.0830,  
93.4961

37.5299, 47.0830,  
93.4961

326.9149,  
375.1457, 560.2000

25.7936, 33.1013,  
70.2940

70.6956, 85.8375,  
154.1629

16.8012, 22.2040,  
51.2879

92.8557, 111.3791,  
192.4647

10.1872, 14.0069,  
36.0595

119.2210,  
141.5427, 236.6367

5.5865, 8.1255,  
24.1901

150.1571,  
176.7128, 287.0975

2.6336, 4.1753,  
15.2612

186.0291,  
217.2738, 344.2658

0.9631, 1.7721,  
8.8542

227.2025,

0.0000, 0.4697,

263.6100, 408.5599

4.5507

274.0427,  
316.1058, 480.3984

■ 0.0000, 0.0000,  
1.9321

■ 0.0000, 0.0000,  
0.5130

■ 37.5299, 47.0830,  
93.4961

■ 37.5299, 47.0830,  
93.4961

■ 35.4382, 44.0618,  
93.0241

■ 40.3012, 50.5336,  
94.0170

■ 34.0821, 41.7935,  
92.6578

■ 43.8422, 54.4583,  
94.5879

■ 48.2335, 58.9004,  
95.2139

■ 53.5438, 63.8961,  
95.8983

■ 59.8347, 69.4780,  
96.6441

■ 67.1620, 75.6756,  
97.4542

■ 75.5774, 82.5165,  
98.3311

■ 85.1288, 90.0261,  
99.2771

■ 91.8843, 96.1780,  
100.1085

# Harmonies

## Analogous

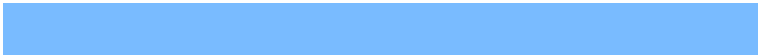
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.3142, 47.0830, 72.1874



37.5299, 47.0830, 93.4961



44.0851, 47.0830, 103.3513

# Triad

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



37.5299, 47.0830, 93.4961



60.4302, 47.0830, 53.2058



38.5701, 47.0830, 23.0206

# Complementary

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



37.5299, 47.0830, 93.4961



42.0466, 27.4343, 5.5639

# 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.



45.4235, 47.0830, 20.4995



37.5299, 47.0830, 93.4961



58.5448, 47.0830, 34.8354

# Square

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



37.5299, 47.0830, 93.4961



57.7480, 47.0830, 76.4382



52.8436, 47.0830, 24.1628



33.8668, 47.0830, 32.3323



# Rectangle

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



37.5299, 47.0830, 93.4961



49.0909, 47.0830, 100.5266



52.8436, 47.0830, 24.1628



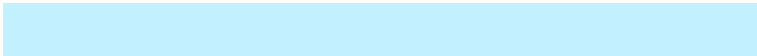
40.6747, 47.0830, 21.4845

# Sweetspot

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



37.5315, 47.0846, 93.4973



71.4986, 81.1664, 106.5060



35.6537, 66.6310, 21.0345



14.6835, 16.8501, 22.7284



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

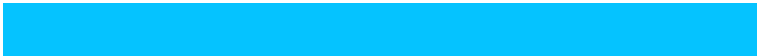


# Same Dimension

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



37.5315, 47.0846, 93.4973



37.6334, 46.2921, 101.5595



21.9650, 15.9517, 88.3084



16.6400, 18.0443, 21.1484



18.4734, 22.7405, 49.9537



1.7025, 2.1565, 4.4168



# Inverse Universe

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



48.6741, 25.3223, 55.1471



51.1480, 25.3118, 53.8315



56.9085, 57.1581, 10.5178



17.0336, 16.6963, 19.9236



25.1290, 12.3950, 26.4515

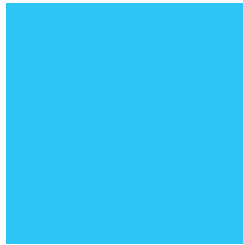


2.2484, 1.1053, 2.5346



# Previews

## White Background



This preview shows how the XYZ color 37.5299, 47.0830, 93.4961 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

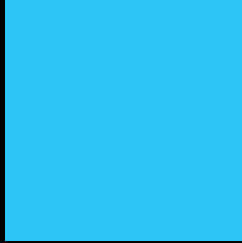
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.5299, 47.0830, 93.4961 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](#).

**XYZ 37.5299, 47.0830, 93.4961**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.5299, 47.0830, 93.4961.



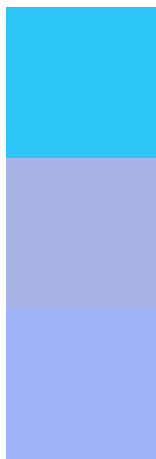
This preview shows how white text looks on a background with the XYZ color 37.5299, 47.0830,



# 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

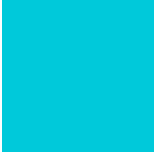
37.5299, 47.0830, 93.4961

### Protanopia

46.8340, 46.3912, 82.8299

### Deuteranopia

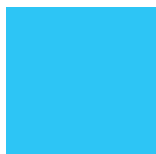
47.7162, 46.5533, 96.0933



## **Tritanopia**

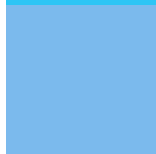
33.5415, 46.8352, 73.6019

# Trichromacy



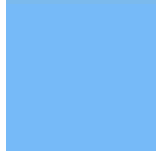
## Original Color

37.5299, 47.0830, 93.4961



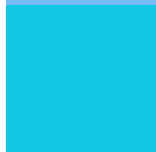
## Protanomaly

41.0133, 45.4432, 86.7305



## Deuteranomaly

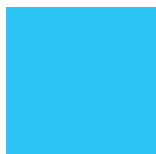
41.9734, 45.7467, 95.4247



## Tritanomaly

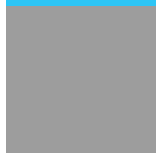
34.8716, 47.0201, 80.6367

# Monochromacy



## Original Color

37.5299, 47.0830, 93.4961



## Achromatopsia

32.0474, 33.7164, 36.7171



## Achromatomaly

31.1403, 36.8922, 53.6237

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.5299, 47.0830, 93.4961 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, 197, 245)` looks like.

```
.text, #text, p{  
    color:rgb(45, 197, 245)  
}
```

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, 197, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 197, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 37.5299, 47.0830, 93.4961 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, 197, 245) }
```



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

```
.border{ border-color:rgb(45, 197, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 197, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 197, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 197, 245);  
box-shadow:4px 4px 4px 4px rgb(45, 197,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.5299, 47.0830, 93.4961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 197, 245) }
```

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

```
.background{ background-color: rgb(45, 197,  
245) }
```

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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