

# Converting Colors

XYZ(37.8381, 47.4760, 95.1121)

Have a look what the booklet for  
XYZ(37.8381, 47.4760, 95.1121)  
contains.

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# Color

**XYZ(37.8970, 47.5750,  
95.1812)**

# Conversions

## Conversions Part 1

Format	Color
Hex	29C6F7
RGB	41, 198, 247
RGB Percent	16%, 78%, 97%
CMY	0.8391, 0.2235, 0.0314
CMYK	0.83, 0.20, 0.00, 0.03
HSL	194°, 93%, 56%
HSV	194°, 83%, 97%
XYZ	37.8970, 47.5750, 95.1812
YIQ	156.6430, -109.3010, -18.0450

# Conversions

## Conversions Part 2

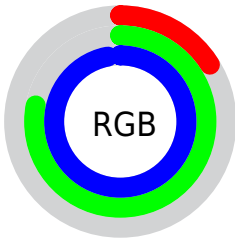
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	41, 130, 247
Decimal	2737911
CIE <sub>Lab</sub>	74.56, -22.32, -35.10
CIE <sub>LCh</sub>	75, 41.595, 237.550
Yxy	47.5750, 0.2098, 0.2633
Android (android.graphics.Color)	4280927991 (0xFF29C6F7)
YUV	156.6430, 44.5460, -101.4189
Hunter-Lab	68.9746, -22.6317, -33.5347

# Details

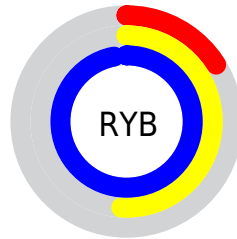
The XYZ color **37.8970, 47.5750, 95.1812** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **42.4166, 27.2502, 5.1239**, and the grayscale version is **31.7325, 33.3851, 36.3564**.

A 20% lighter version of the original color is **61.9784, 82.9510, 107.3523**, and **19.2675, 23.6642, 52.2673** is the 20% darker color. If you saturate the color by 10%, you get **35.8854, 44.5835, 94.7108**, and if you desaturate by 10%, it is **40.5806, 50.9919, 95.7002**.

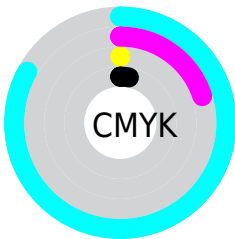
# Distribution



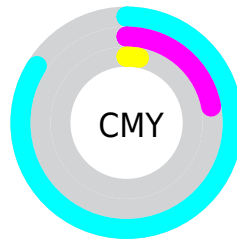
- Red (16%)
- Green (78%)
- Blue (97%)



- Red (16%)
- Yellow (51%)
- Blue (97%)



- Cyan (83%)
- Magenta (20%)
- Yellow (0%)
- Black (3%)



- Cyan (84%)
- Magenta (22%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8970, 47.5750, 95.1812 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 37.8970, 47.5750, 95.1812 by changing the saturation by 10% instead.



37.8970, 47.5750,  
95.1812

37.8970, 47.5750,  
95.1812

328.4664,  
377.1050, 565.7441

26.0796, 33.4904,  
71.6881

71.2552, 86.5713,  
156.5126

17.0162, 22.5024,  
52.4186

93.5266, 112.2518,  
195.1881

10.3414, 14.2265,  
36.9543

120.0135,  
142.5664, 239.7613

5.6899, 8.2784,  
24.8766

151.0811,  
177.8996, 290.6509

2.6963, 4.2736,  
15.7670

187.0949,  
218.6356, 348.2755

0.9953, 1.8278,  
9.2068

228.4201,

0.0000, 0.5044,

265.1589, 413.0535

4.7777

275.4222,  
317.8539, 485.4035

■ 0.0000, 0.0000,  
2.0610

■ 0.0000, 0.0000,  
0.5924

■ 37.8970, 47.5750,  
95.1812

■ 37.8970, 47.5750,  
95.1812

■ 35.8854, 44.5835,  
94.7108

■ 40.5806, 50.9919,  
95.7002

■ 34.8242, 42.7865,  
94.4198

■ 44.0321, 54.8821,  
96.2692

■ 48.3359, 59.2906,  
96.8933

■ 53.5638, 64.2555,  
97.5761

■ 59.7797, 69.8103,  
98.3207

■ 67.0415, 75.9858,  
99.1299

■ 75.4025, 82.8102,  
100.0065

■ 84.9124, 90.3099,  
100.9528

■ 92.4895, 96.8971,  
101.8249

# Harmonies

## Analogous

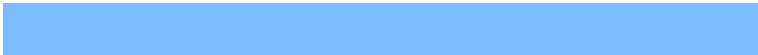
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.5745, 47.5750, 73.4068



37.8970, 47.5750, 95.1812



44.6035, 47.5750, 105.1514

# Triad

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



37.8970, 47.5750, 95.1812



61.2539, 47.5750, 53.5911



38.8564, 47.5750, 23.0818

# Complementary

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



37.8970, 47.5750, 95.1812



42.4166, 27.2502, 5.1239

# 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.



45.8394, 47.5750, 20.4703



37.8970, 47.5750, 95.1812



59.2847, 47.5750, 34.9146

# Square

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



37.8970, 47.5750, 95.1812



58.5475, 47.5750, 77.3425



53.4273, 47.5750, 24.1298



34.0837, 47.5750, 32.6108



# Rectangle

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



37.8970, 47.5750, 95.1812



49.7193, 47.5750, 102.1516



53.4273, 47.5750, 24.1298



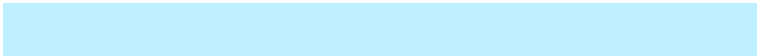
40.9981, 47.5750, 21.5047

# Sweetspot

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



37.8986, 47.5767, 95.1824



70.7104, 80.5520, 106.4290



35.9830, 67.7167, 20.6436



14.5331, 16.7332, 22.7138



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

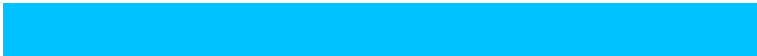


# Same Dimension

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



37.8986, 47.5767, 95.1824



37.4177, 45.9554, 101.5059



21.8822, 15.5437, 89.8436



16.6431, 18.0505, 21.1495



18.5324, 22.8585, 49.9734



1.7073, 2.1660, 4.4183



# Inverse Universe

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



49.3452, 25.4390, 55.7371



51.0159, 25.1704, 53.4093



57.6245, 57.6660, 10.1932



17.0352, 16.6969, 19.9319



25.1588, 12.4070, 26.6083

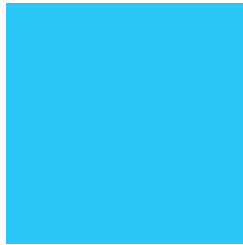


2.2508, 1.1063, 2.5472



# Previews

## White Background



This preview shows how the XYZ color 37.8970, 47.5750, 95.1812 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

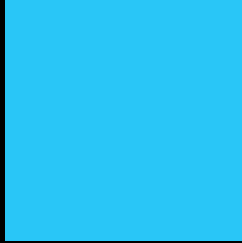
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.8970, 47.5750, 95.1812 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

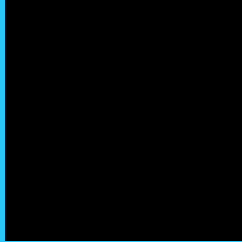
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

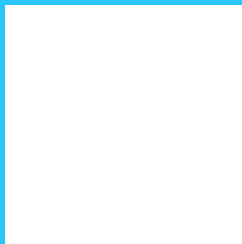
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 37.8970, 47.5750, 95.1812

## Background



This preview shows how black text looks on a background with the XYZ color 37.8970, 47.5750, 95.1812.



This preview shows how white text looks on a background with the XYZ color 37.8970, 47.5750,



# 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

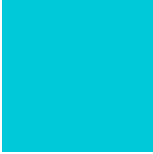
37.8970, 47.5750, 95.1812

### Protanopia

47.3210, 46.9079, 84.4019

### Deuteranopia

48.2310, 47.0811, 97.8123



## **Tritanopia**

33.7754, 47.3030, 73.6799

# Trichromacy



## Original Color

37.8970, 47.5750, 95.1812



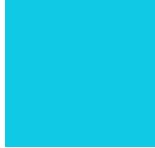
## Protanomaly

41.3764, 45.9102, 88.3421



## Deuteranomaly

42.3618, 46.2247, 97.1320



## Tritanomaly

35.2265, 47.5320, 81.4467

# Monochromacy



## Original Color

37.8970, 47.5750, 95.1812



## Achromatopsia

32.0474, 33.7164, 36.7171



## Achromatomaly

31.1170, 36.8676, 54.1913

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.8970, 47.5750, 95.1812 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(41, 198, 247)` looks like.

```
.text, #text, p{  
    color:rgb(41, 198, 247)  
}
```

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(41, 198, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 198, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 37.8970, 47.5750, 95.1812 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(41, 198, 247) }
```



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

```
.border{ border-color:rgb(41, 198, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 198, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 198, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 198, 247);  
box-shadow:4px 4px 4px 4px rgb(41, 198,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.8970, 47.5750, 95.1812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 198, 247) }
```

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

```
.background{ background-color: rgb(41, 198,  
247) }
```

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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