

# Converting Colors

XYZ(37.8043, 41.9352,  
100.7095)

Have a look what the booklet for  
XYZ(37.8043, 41.9352, 100.7095)  
contains.

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# Color

**XYZ(37.7983, 41.9300,  
100.7089)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4FB5FF
RGB	79, 181, 255
RGB Percent	31%, 71%, 100%
CMY	0.6902, 0.2902, 0.0000
CMYK	0.69, 0.29, 0.00, 0.00
HSL	205°, 100%, 65%
HSV	205°, 69%, 100%
XYZ	37.7983, 41.9300, 100.7089
YIQ	158.9380, -84.5460, 1.3900

# Conversions

## Conversions Part 2

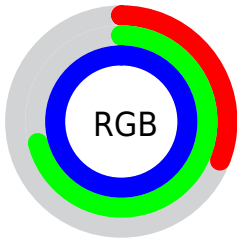
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	79, 144, 255
Decimal	5223935
CIE Lab	70.82, -6.55, -45.17
CIE LCh	71, 45.642, 261.754
Yxy	41.9300, 0.2095, 0.2324
Android (android.graphics.Color)	4283414015 (0xFF4FB5FF)
YUV	158.9380, 47.3586, -70.1056
Hunter-Lab	64.7534, -9.1231, -46.8845

# Details

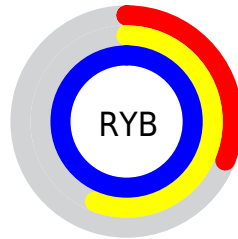
The XYZ color **37.7983, 41.9300, 100.7089** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **54.0443, 44.6100, 13.1613**, and the grayscale version is **32.7464, 34.4518, 37.5180**.

A 20% lighter version of the original color is **60.0112, 73.8081, 105.6912**, and **17.9122, 19.5156, 56.2489** is the 20% darker color. If you saturate the color by 10%, you get **33.9725, 36.8454, 99.9291**, and if you desaturate by 10%, it is **42.6075, 47.7719, 101.5830**.

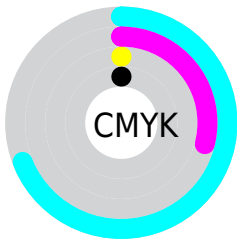
# Distribution



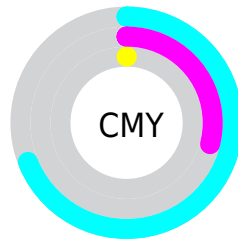
- Red (31%)
- Green (71%)
- Blue (100%)



- Red (31%)
- Yellow (56%)
- Blue (100%)



- Cyan (69%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (29%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7983, 41.9300, 100.7089 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 37.7983, 41.9300, 100.7089 by changing the saturation by 10% instead.



■ 37.7983, 41.9300,  
100.7089

■ 37.7983, 41.9300,  
100.7089

328.0498,  
354.1927, 583.7292

■ 26.0027, 29.0465,  
76.2725

■ 71.1048, 78.0937,  
164.1914

■ 16.9583, 19.1160,  
56.1480

■ 93.3463, 102.1426,  
204.0746

■ 10.2999, 11.7541,  
39.9168

■ 119.8006,  
130.6822, 249.9438

■ 5.6620, 6.5765,  
27.1604

■ 150.8329,  
164.0967, 302.2176

■ 2.6794, 3.1987,  
17.4602

186.8086,  
202.7706, 361.3145

■ 0.9866, 1.2363,  
10.3977

228.0931,

■ 0.0000, 0.0911,

247.0883, 427.6530

5.5544

275.0517,  
297.4342, 501.6517

■ 0.0000, 0.0000,  
2.5117

■ 0.0000, 0.0000,  
0.8464

■ 37.7983, 41.9300,  
100.7089

■ 37.7983, 41.9300,  
100.7089

■ 33.9725, 36.8454,  
99.9291

■ 42.6075, 47.7719,  
101.5830

■ 31.0236, 32.4558,  
99.2372

■ 48.4829, 54.4174,  
102.5560

■ 28.8030, 28.6794,  
98.6253

■ 55.5023, 61.9123,  
103.6327

■ 28.6055, 28.3311,  
98.5685

■ 63.7347, 70.2972,  
104.8173

■ 73.2430, 79.6097,  
106.1136

■ 84.0857, 89.8846,  
107.5254

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



31.4910, 41.9300, 86.9323



37.7983, 41.9300, 100.7089



45.5055, 41.9300, 96.4618

# Triad

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



37.7983, 41.9300, 100.7089



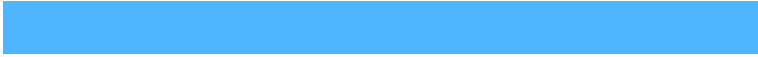
54.9884, 41.9300, 31.8602



29.4632, 41.9300, 24.3757

# Complementary

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



37.7983, 41.9300, 100.7089



54.0443, 44.6100, 13.1613

# 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.



34.6895, 41.9300, 16.8152



37.7983, 41.9300, 100.7089



49.5784, 41.9300, 20.0841

# Square

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



37.7983, 41.9300, 100.7089



56.0959, 41.9300, 51.9096



41.9813, 41.9300, 15.5424



27.0941, 41.9300, 39.9235



# Rectangle

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



37.7983, 41.9300, 100.7089



50.3737, 41.9300, 84.4319



41.9813, 41.9300, 15.5424



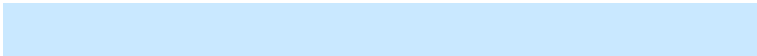
30.9101, 41.9300, 21.0498

# Sweetspot

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



37.7997, 41.9314, 100.7090



71.2516, 77.6860, 105.8473



44.6807, 75.4609, 42.0623



14.6763, 16.0685, 22.5780



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.



37.7997, 41.9314, 100.7090



32.6987, 35.0165, 99.6432



25.2493, 16.8307, 96.5256



17.8775, 19.1265, 22.9995



15.0980, 15.1056, 51.5545



1.5782, 1.6871, 5.0557



# Inverse Universe

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



52.3775, 30.1898, 46.7839



49.0003, 25.7668, 38.4711



73.9103, 84.3418, 19.7833



18.4508, 18.1636, 20.9910



24.4090, 12.2529, 16.0700



2.4312, 1.2149, 1.8521



# Previews

## White Background



This preview shows how the XYZ color 37.7983, 41.9300, 100.7089 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

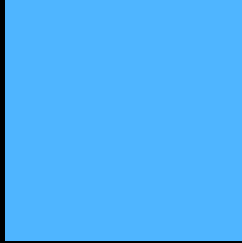
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.7983, 41.9300, 100.7089 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

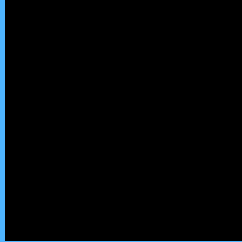
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

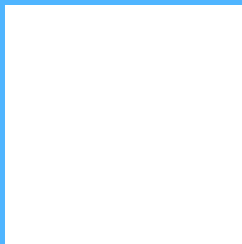
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 37.7983, 41.9300, 100.7089**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.7983, 41.9300, 100.7089.



This preview shows how white text looks on a background with the XYZ color 37.7983, 41.9300,



# 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

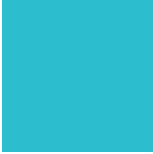
37.7983, 41.9300, 100.7089

### Protanopia

43.2220, 41.6992, 92.9595

### Deuteranopia

42.6046, 41.4967, 100.3719



## **Tritanopia**

30.5927, 41.8186, 64.8519

# Trichromacy



## Original Color

37.7983, 41.9300, 100.7089

## Protanomaly

40.4033, 41.3226, 95.4691

## Deuteranomaly

40.4502, 41.5248, 100.4909

## Tritanomaly

32.9122, 41.7923, 76.8531

# Monochromacy



## Original Color

37.7983, 41.9300, 100.7089

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

32.7622, 36.2783, 56.3146

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.7983, 41.9300, 100.7089 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(79, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(79, 181, 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(79, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 181, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 37.7983, 41.9300, 100.7089 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(79, 181, 255) }
```



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

```
.border{ border-color:rgb(79, 181, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(79, 181,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.7983, 41.9300, 100.7089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 181, 255) }
```

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

```
.background{ background-color: rgb(79, 181,  
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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