

Converting Colors

XYZ(37.4610, 42.2272, 98.8594)

Have a look what the booklet for
XYZ(37.4610, 42.2272, 98.8594)
contains.

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Color

**XYZ(37.4381, 42.0842,
99.0784)**

Conversions

Conversions Part 1

Format	Color
Hex	4CB6FD
RGB	76, 182, 253
RGB Percent	30%, 71%, 99%
CMY	0.7019, 0.2863, 0.0078
CMYK	0.70, 0.28, 0.00, 0.01
HSL	204°, 98%, 65%
HSV	204°, 70%, 99%
XYZ	37.4381, 42.0842, 99.0784
YIQ	158.4000, -85.9670, -0.3910

Conversions

Conversions Part 2

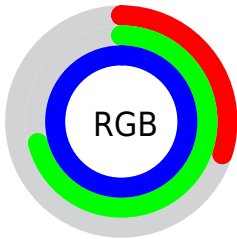
Format	Color
RYB	76, 142, 253
Decimal	5027581
CIELab	70.93, -8.18, -43.93
CIElCh	71, 44.684, 259.457
Yxy	42.0842, 0.2096, 0.2356
Android (android.graphics.Color)	4283217661 (0xFF4CB6FD)
YUV	158.4000, 46.6378, -72.2648
Hunter-Lab	64.8723, -10.5135, -45.1420

Details

The XYZ color **37.4381, 42.0842, 99.0784** 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 **52.2489, 42.2758, 12.2460**, and the grayscale version is **32.5058, 34.1986, 37.2423**.

A 20% lighter version of the original color is **59.9522, 74.2087, 105.7716**, and **17.8141, 19.6860, 55.0854** is the 20% darker color. If you saturate the color by 10%, you get **33.8051, 37.2373, 98.3352**, and if you desaturate by 10%, it is **42.0145, 47.6424, 99.9109**.

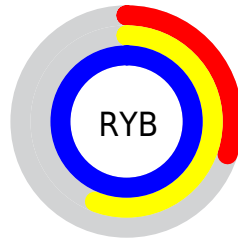
Distribution



Red (30%)

Green (71%)

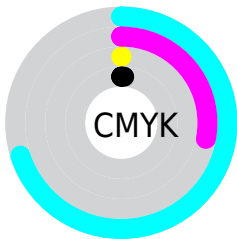
Blue (99%)



Red (30%)

Yellow (56%)

Blue (99%)

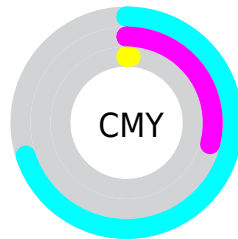


Cyan (70%)

Magenta (28%)

Yellow (0%)

Black (1%)



Cyan (70%)

Magenta (29%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4381, 42.0842, 99.0784 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 37.4381, 42.0842, 99.0784 by changing the saturation by 10% instead.

■ 37.4381, 42.0842,
99.0784

■ 37.4381, 42.0842,
99.0784

326.5261,
354.8319, 578.4553

■ 25.7221, 29.1672,
74.9185

■ 70.5555, 78.3270,
161.9309

■ 16.7474, 19.2074,
55.0448

■ 92.6877, 102.4217,
201.4606

■ 10.1488, 11.8202,
39.0387

■ 119.0226,
131.0110, 246.9507

■ 5.5607, 6.6214,
26.4818

■ 149.9256,
164.4795, 298.8197

■ 2.6180, 3.2265,
16.9554

185.7621,
203.2114, 357.4861

■ 0.9551, 1.2511,
10.0411

226.8975,

■ 0.0000, 0.1028,

247.5911, 423.3685

5.3203

273.6970,
298.0032, 496.8854

■ 0.0000, 0.0000,
2.3744

■ 0.0000, 0.0000,
0.7724

■ 37.4381, 42.0842,
99.0784

■ 37.4381, 42.0842,
99.0784

■ 33.8051, 37.2373,
98.3352

■ 42.0145, 47.6424,
99.9109

■ 31.0091, 33.0403,
97.6724

■ 47.6157, 53.9564,
100.8344

■ 28.8873, 29.4048,
97.0826

■ 54.3184, 61.0709,
101.8544

■ 28.8786, 29.3895,
97.0801

■ 62.1903, 69.0252,
102.9748

■ 71.2935, 77.8553,
104.1994

■ 81.6852, 87.5948,
105.5316

■ 93.4188, 98.2755,
106.9748

■ 94.7298, 99.8719,
107.2138

Harmonies

Analogous

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



31.4002, 42.0842, 84.5562



37.4381, 42.0842, 99.0784



44.9585, 42.0842, 96.3471

Triad

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



37.4381, 42.0842, 99.0784



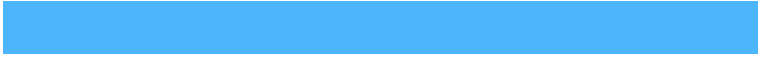
55.0671, 42.0842, 33.4815



30.0807, 42.0842, 24.0114

Complementary

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



37.4381, 42.0842, 99.0784



52.2489, 42.2758, 12.2460

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.



35.4198, 42.0842, 17.0242



37.4381, 42.0842, 99.0784



50.0415, 42.0842, 21.2011

Square

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



37.4381, 42.0842, 99.0784



55.7826, 42.0842, 53.7379



42.6757, 42.0842, 16.1863



27.5159, 42.0842, 38.7253

Rectangle

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



37.4381, 42.0842, 99.0784



49.8007, 42.0842, 85.3094



42.6757, 42.0842, 16.1863



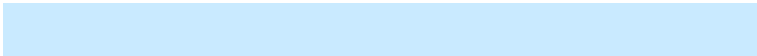
31.5773, 42.0842, 20.9039

Sweetspot

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



37.4396, 42.0856, 99.0795



71.5444, 78.2717, 105.9449



43.3585, 73.8888, 39.5015



14.7460, 16.2081, 22.6012



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.



37.4396, 42.0856, 99.0795



33.1582, 36.0906, 99.8263



24.6884, 16.5831, 94.8290



17.9078, 19.1872, 23.0096



15.5088, 15.9271, 51.6914



1.6171, 1.7649, 5.0687

Inverse Universe

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



51.5374, 29.4309, 47.2215



49.1944, 25.6994, 39.9400



71.6083, 80.9947, 18.6991



18.4661, 18.1698, 21.0716



24.6163, 12.3358, 17.1618



2.4508, 1.2227, 1.9555

Previews

White Background



This preview shows how the XYZ color 37.4381, 42.0842, 99.0784 looks on a white background.

Color Contrast Check

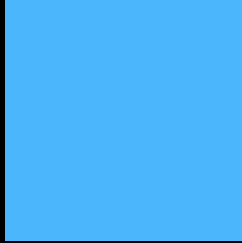
Large Text (above 18pt) WCAG AA × Fail

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 37.4381, 42.0842, 99.0784 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

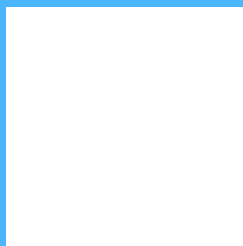
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4381, 42.0842, 99.0784

Background



This preview shows how black text looks on a background with the XYZ color 37.4381, 42.0842, 99.0784.

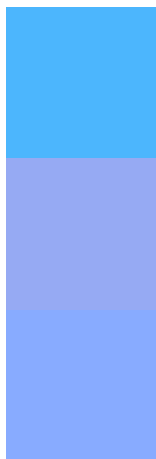


This preview shows how white text looks on a background with the XYZ color 37.4381, 42.0842,

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

37.4381, 42.0842, 99.0784

Protanopia

43.1301, 41.7045, 90.5706

Deuteranopia

42.7663, 41.5801, 100.3795



Tritanopia

30.6858, 42.1893, 64.9185

Trichromacy



Original Color

37.4381, 42.0842, 99.0784

Protanomaly

40.0929, 41.1985, 93.8347

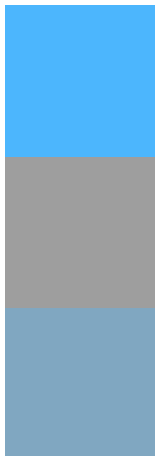
Deuteranomaly

40.1588, 41.3931, 99.6390

Tritanomaly

32.8238, 42.0784, 76.2040

Monochromacy



Original Color

37.4381, 42.0842, 99.0784

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.3464, 36.0769, 55.7108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4381, 42.0842, 99.0784 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(76, 182, 253)` looks like.

```
.text, #text, p{  
    color:rgb(76, 182, 253)  
}
```

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(76, 182, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 182, 253) }
```

Border

The CSS property to change the border of an element to XYZ 37.4381, 42.0842, 99.0784 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(76, 182, 253) }
```


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

```
.border{ border-color:rgb(76, 182, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 182, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 182, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 182, 253);  
box-shadow:4px 4px 4px 4px rgb(76, 182,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4381, 42.0842, 99.0784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 182, 253) }
```

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

```
.background{ background-color: rgb(76, 182,  
253) }
```

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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