

Converting Colors

XYZ(37.6651, 47.1027, 99.5764)

Have a look what the booklet for
XYZ(37.6651, 47.1027, 99.5764)
contains.

XYZ(37.5369, 46.9608, 99.1814)	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

**XYZ(37.5369, 46.9608,
99.1814)**

Conversions

Conversions Part 1

Format	Color
Hex	00C5FC
RGB	0, 197, 252
RGB Percent	0%, 77%, 99%
CMY	0.9997, 0.2274, 0.0118
CMYK	1.00, 0.22, 0.00, 0.01
HSL	193°, 100%, 49%
HSV	193°, 100%, 99%
XYZ	37.5369, 46.9608, 99.1814
YIQ	144.3670, -135.0670, -24.6590

Conversions

Conversions Part 2

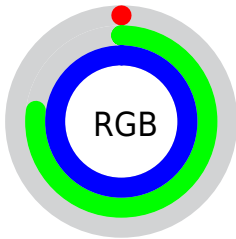
Format	Color
RYB	0, 111, 252
Decimal	50684
CIELab	74.16, -21.80, -38.42
CIELCh	74, 44.173, 240.426
Yxy	46.9608, 0.2044, 0.2557
Android (android.graphics.Color)	4278240764 (0xFF00C5FC)
YUV	144.3670, 53.0631, -126.6099
Hunter-Lab	68.5280, -22.1487, -37.8416

Details

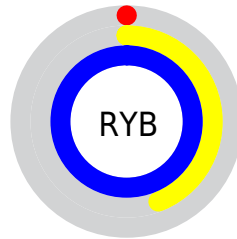
The XYZ color **37.5369, 46.9608, 99.1814** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **41.5151, 23.4346, 2.3372**, and the grayscale version is **26.4977, 27.8777, 30.3588**.

A 20% lighter version of the original color is **60.3019, 81.6143, 107.1826**, and **19.6728, 23.5851, 55.1453** is the 20% darker color. If you saturate the color by 10%, you get **37.5343, 46.9551, 99.1814**, and if you desaturate by 10%, it is **39.2174, 49.7163, 99.6257**.

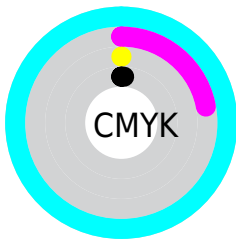
Distribution



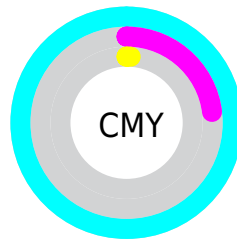
- Red (0%)
- Green (77%)
- Blue (99%)



- Red (0%)
- Yellow (44%)
- Blue (99%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (23%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5369, 46.9608, 99.1814 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 37.5369, 46.9608, 99.1814 by changing the saturation by 10% instead.

37.5369, 46.9608,
99.1814

37.5369, 46.9608,
99.1814

326.9445,
374.6580, 578.7892

25.7990, 33.0047,
75.0040

70.7063, 85.6551,
162.0738

16.8053, 22.1300,
55.1144

92.8685, 111.1621,
201.6260

10.1902, 13.9525,
39.0941

119.2362,
141.2881, 247.1400

5.5885, 8.0876,
26.5246

150.1747,
176.4176, 299.0347

2.6348, 4.1511,
16.9872

186.0495,
216.9349, 357.7284

0.9637, 1.7584,
10.0635

227.2258,

0.0000, 0.4611,

263.2245, 423.6397

5.3349

274.0690,
315.6708, 497.1871

■ 0.0000, 0.0000,
2.3829

■ 0.0000, 0.0000,
0.7771

■ 37.5369, 46.9608,
99.1814

■ 37.5369, 46.9608,
99.1814

■ 37.5343, 46.9551,
99.1814

■ 39.2174, 49.7163,
99.6257

■ 41.4667, 52.8327,
100.1086

■ 44.4470, 56.3951,
100.6392

■ 48.2567, 60.4547,
101.2219

■ 52.9780, 65.0547,
101.8610

■ 58.6832, 70.2331,
102.5598

■ 65.4369, 76.0236,
103.3216

■ 73.2980, 82.4574,
104.1491

■ 82.3210, 89.5633,
105.0451

Harmonies

Analogous

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



32.7556, 46.9608, 76.5352



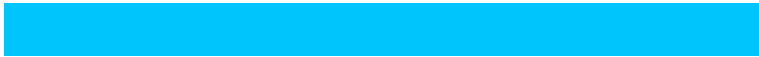
37.5369, 46.9608, 99.1814



44.7482, 46.9608, 108.2760

Triad

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



37.5369, 46.9608, 99.1814



61.6491, 46.9608, 50.8086



37.3624, 46.9608, 22.0045

Complementary

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



37.5369, 46.9608, 99.1814



41.5151, 23.4346, 2.3372

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.



44.5216, 46.9608, 18.7578



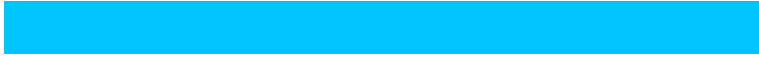
37.5369, 46.9608, 99.1814



59.0864, 46.9608, 32.0824

Square

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



37.5369, 46.9608, 99.1814



59.2231, 46.9608, 75.8023



52.5755, 46.9608, 21.8201



32.6635, 46.9608, 32.4960

Rectangle

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



37.5369, 46.9608, 99.1814



50.1600, 46.9608, 103.8210



52.5755, 46.9608, 21.8201



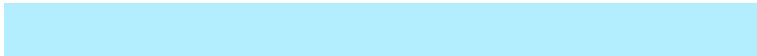
39.5311, 46.9608, 20.1970

Sweetspot

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



37.5385, 46.9624, 99.1826



67.1868, 78.0678, 106.1352



35.4930, 69.8945, 15.1914



13.7258, 16.1560, 22.6449



0.0000, 0.0000, 0.0000



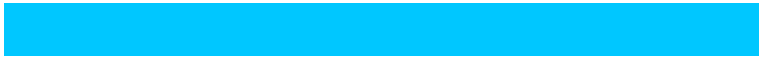
20.3446, 21.4041, 23.3091

Same Dimension

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



37.5385, 46.9624, 99.1826



38.5498, 48.2196, 101.8833



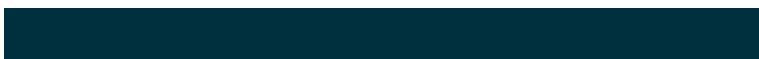
19.8537, 11.5927, 93.2876



17.4255, 18.9278, 22.1203



19.6652, 24.6861, 51.7020



1.8981, 2.4399, 4.8141

Inverse Universe

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



50.2244, 24.7285, 54.9508



51.5874, 25.3989, 56.4184



56.5925, 53.5894, 7.3630



17.8213, 17.4559, 20.9147



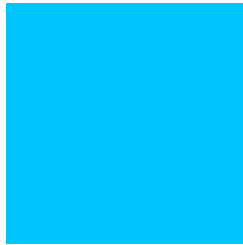
26.2181, 12.9030, 28.9208



2.4670, 1.2105, 2.8826

Previews

White Background



This preview shows how the XYZ color 37.5369, 46.9608, 99.1814 looks on a white background.

Color Contrast Check

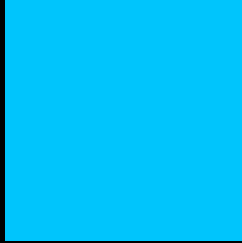
Large Text (above 18pt) WCAG AA × Fail

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 37.5369, 46.9608, 99.1814 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

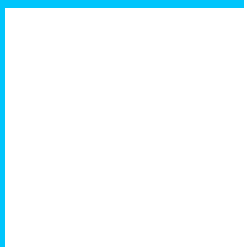
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5369, 46.9608, 99.1814

Background



This preview shows how black text looks on a background with the XYZ color 37.5369, 46.9608, 99.1814.



This preview shows how white text looks on a background with the XYZ color 37.5369, 46.9608,

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

37.5369, 46.9608, 99.1814

Protanopia

47.0698, 46.4126, 87.3666

Deuteranopia

47.4965, 46.3302, 101.0470



Tritanopia

33.4110, 46.7830, 72.9147

Trichromacy



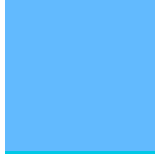
Original Color

37.5369, 46.9608, 99.1814



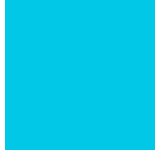
Protanomaly

39.5623, 44.5921, 91.3160



Deuteranomaly

40.4853, 44.8702, 100.2930



Tritanomaly

34.9372, 47.0217, 82.0976

Monochromacy



Original Color

37.5369, 46.9608, 99.1814



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

26.0581, 31.8886, 49.5815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5369, 46.9608, 99.1814 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(0, 197, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 252)  
}
```

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(0, 197, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 252) }
```

Border

The CSS property to change the border of an element to XYZ 37.5369, 46.9608, 99.1814 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(0, 197, 252) }
```


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

```
.border{ border-color:rgb(0, 197, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 197, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5369, 46.9608, 99.1814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 252) }
```

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

```
.background{ background-color: rgb(0, 197,  
252) }
```

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