

Converting Colors

XYZ(37.6606, 47.7378, 97.5897)

Have a look what the booklet for
XYZ(37.6606, 47.7378, 97.5897)
contains.

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Color

**XYZ(37.6787, 47.7490,
97.6731)**

Conversions

Conversions Part 1

Format	Color
Hex	00C7FA
RGB	0, 199, 250
RGB Percent	0%, 78%, 98%
CMY	0.9997, 0.2196, 0.0196
CMYK	1.00, 0.20, 0.00, 0.02
HSL	192°, 100%, 49%
HSV	192°, 100%, 98%
XYZ	37.6787, 47.7490, 97.6731
YIQ	145.3130, -134.9750, -26.3270

Conversions

Conversions Part 2

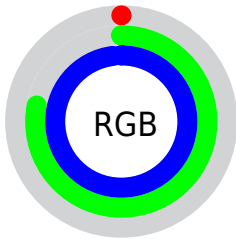
Format	Color
RYB	0, 111, 250
Decimal	51194
CIELab	74.67, -23.50, -36.57
CIELCh	75, 43.467, 237.270
Yxy	47.7490, 0.2058, 0.2608
Android (android.graphics.Color)	4278241274 (0xFF00C7FA)
YUV	145.3130, 51.6107, -127.4395
Hunter-Lab	69.1007, -23.5950, -35.4354

Details

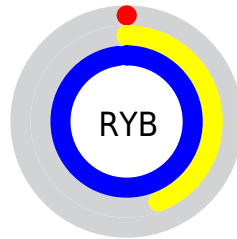
The XYZ color **37.6787, 47.7490, 97.6731** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **40.6118, 22.6977, 2.2425**, and the grayscale version is **26.8855, 28.2857, 30.8031**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **19.7510, 24.1011, 54.0631** is the 20% darker color. If you saturate the color by 10%, you get **37.6764, 47.7440, 97.6732**, and if you desaturate by 10%, it is **39.2756, 50.3448, 98.0909**.

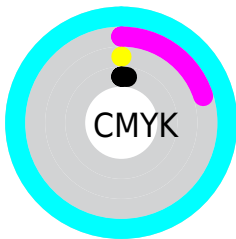
Distribution



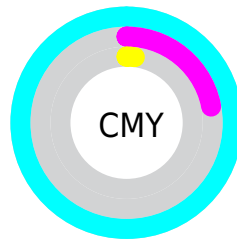
- Red (0%)
- Green (78%)
- Blue (98%)



- Red (0%)
- Yellow (44%)
- Blue (98%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (22%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6787, 47.7490, 97.6731 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 37.6787, 47.7490, 97.6731 by changing the saturation by 10% instead.

37.6787, 47.7490,
97.6731

37.6787, 47.7490,
97.6731

327.5444,
377.7964, 573.8892

25.9095, 33.6282,
73.7527

70.9225, 86.8306,
159.9797

16.8883, 22.6081,
54.0961

93.1278, 112.5601,
199.2029

10.2497, 14.3044,
38.2848

119.5425,
142.9280, 244.3641

5.6283, 8.3327,
25.9002

150.5319,
178.3186, 295.8819

2.6589, 4.3086,
16.5239

186.4615,
219.1163, 354.1747

0.9761, 1.8476,
9.7373

227.6965,

0.0000, 0.5166,

265.7056, 419.6612

5.1218

274.6024,
318.4708, 492.7598

■ 0.0000, 0.0000,
2.2589

■ 0.0000, 0.0000,
0.7081

■ 37.6787, 47.7490,
97.6731

■ 37.6787, 47.7490,
97.6731

■ 37.6764, 47.7440,
97.6732

■ 39.2756, 50.3448,
98.0909

■ 41.4250, 53.2836,
98.5449

■ 44.2865, 56.6490,
99.0437

■ 47.9564, 60.4913,
99.5919

■ 52.5154, 64.8524,
100.1934

■ 58.0340, 69.7694,
100.8516

■ 64.5756, 75.2754,
101.5696

■ 72.1979, 81.4006,
102.3501

■ 80.9542, 88.1732,
103.1958

Harmonies

Analogous

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



33.2105, 47.7490, 74.5005



37.6787, 47.7490, 97.6731



44.6664, 47.7490, 108.4565

Triad

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



37.6787, 47.7490, 97.6731



62.2528, 47.7490, 54.0840



38.7932, 47.7490, 22.1840

Complementary

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



37.6787, 47.7490, 97.6731



40.6118, 22.6977, 2.2425

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.



46.1092, 47.7490, 19.5884



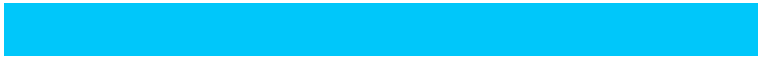
37.6787, 47.7490, 97.6731



60.2189, 47.7490, 34.5437

Square

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



37.6787, 47.7490, 97.6731



59.3520, 47.7490, 79.1420



54.0741, 47.7490, 23.3756



33.7998, 47.7490, 31.8900

Rectangle

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



37.6787, 47.7490, 97.6731



50.0296, 47.7490, 105.3745



54.0741, 47.7490, 23.3756



41.0352, 47.7490, 20.5995

Sweetspot

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



37.6803, 47.7506, 97.6743



67.5059, 78.7060, 106.2416



34.7637, 68.6031, 14.4332



13.8027, 16.3098, 22.6706



0.0000, 0.0000, 0.0000



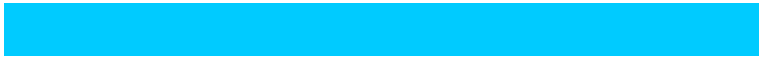
20.3446, 21.4041, 23.3091

Same Dimension

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



37.6803, 47.7506, 97.6743



39.3983, 49.9166, 102.1661



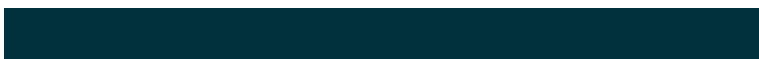
19.7756, 11.9412, 91.7061



17.4474, 18.9717, 22.1276



20.0904, 25.5364, 51.8437



1.9340, 2.5117, 4.8261

Inverse Universe

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



49.7346, 24.4493, 56.1323



52.0156, 25.5703, 58.6738



54.7592, 50.9924, 6.9583



17.8324, 17.4603, 20.9730



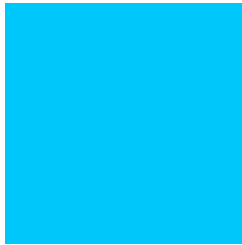
26.4327, 12.9888, 30.0510



2.4851, 1.2178, 2.9781

Previews

White Background



This preview shows how the XYZ color 37.6787, 47.7490, 97.6731 looks on a white background.

Color Contrast Check

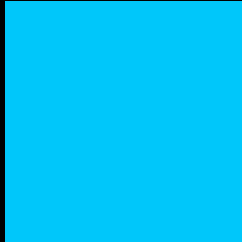
Large Text (above 18pt) WCAG AA × Fail

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 37.6787, 47.7490, 97.6731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

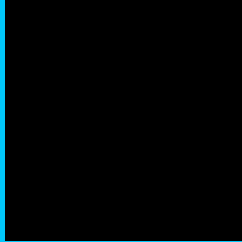
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6787, 47.7490, 97.6731

Background



This preview shows how black text looks on a background with the XYZ color 37.6787, 47.7490, 97.6731.



This preview shows how white text looks on a background with the XYZ color 37.6787, 47.7490,

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

37.6787, 47.7490, 97.6731

Protanopia

47.6100, 47.0235, 85.9240

Deuteranopia

48.3112, 47.0674, 100.3046



Tritanopia

34.1421, 47.8263, 74.4498

Trichromacy



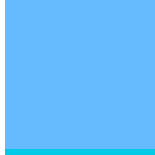
Original Color

37.6787, 47.7490, 97.6731



Protanomaly

39.7109, 45.0173, 89.8153



Deuteranomaly

40.8668, 45.3992, 99.5375



Tritanomaly

35.4035, 47.9542, 82.2530

Monochromacy



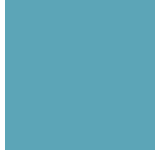
Original Color

37.6787, 47.7490, 97.6731



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

26.4160, 32.6045, 49.7008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6787, 47.7490, 97.6731 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, 199, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 250)  
}
```

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, 199, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 250) }
```

Border

The CSS property to change the border of an element to XYZ 37.6787, 47.7490, 97.6731 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, 199, 250) }
```


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

```
.border{ border-color:rgb(0, 199, 250) }
```

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

Here you see how a box with a 4 pixel rgb(0, 199, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6787, 47.7490, 97.6731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 250) }
```

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

```
.background{ background-color: rgb(0, 199,  
250) }
```

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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