

Converting Colors

XYZ(37.5061, 46.0062,
101.5110)

Have a look what the booklet for
XYZ(37.5061, 46.0062, 101.5110)
contains.

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Color

**XYZ(37.4294, 45.8487,
101.4847)**

Conversions

Conversions Part 1

Format	Color
Hex	07C2FF
RGB	7, 194, 255
RGB Percent	3%, 76%, 100%
CMY	0.9722, 0.2392, 0.0000
CMYK	0.97, 0.24, 0.00, 0.00
HSL	195°, 100%, 51%
HSV	195°, 97%, 100%
XYZ	37.4294, 45.8487, 101.4847
YIQ	145.0410, -131.0330, -20.6730

Conversions

Conversions Part 2

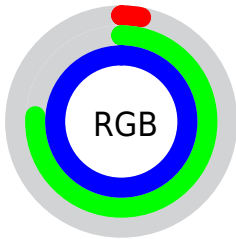
Format	Color
RYB	7, 114, 255
Decimal	508671
CIELab	73.45, -19.06, -41.14
CIELCh	73, 45.344, 245.145
Yxy	45.8487, 0.2026, 0.2481
Android (android.graphics.Color)	4278698751 (0xFF07C2FF)
YUV	145.0410, 54.2098, -121.0620
Hunter-Lab	67.7117, -19.8249, -41.4643

Details

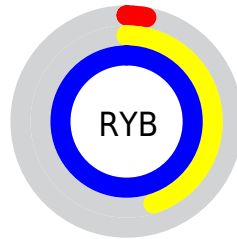
The XYZ color **37.4294, 45.8487, 101.4847** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **43.3505, 25.4189, 2.8247**, and the grayscale version is **26.7651, 28.1589, 30.6651**.

A 20% lighter version of the original color is **59.6174, 79.8592, 106.8799**, and **19.5711, 22.8334, 56.8019** is the 20% darker color. If you saturate the color by 10%, you get **36.9570, 45.0339, 101.3523**, and if you desaturate by 10%, it is **39.3820, 48.9729, 101.9848**.

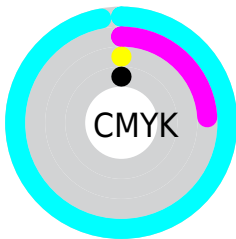
Distribution



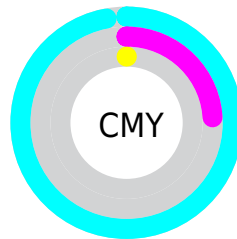
- Red (3%)
- Green (76%)
- Blue (100%)



- Red (3%)
- Yellow (45%)
- Blue (100%)



- Cyan (97%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (97%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4294, 45.8487, 101.4847 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 37.4294, 45.8487, 101.4847 by changing the saturation by 10% instead.

37.4294, 45.8487,
101.4847

37.4294, 45.8487,
101.4847

326.4892,
370.2000, 586.2296

25.7153, 32.1264,
76.9173

70.5423, 83.9925,
165.2656

16.7424, 21.4581,
56.6738

92.6718, 109.1829,
205.3162

10.1451, 13.4593,
40.3358

119.0038,
138.9647, 251.3650

5.5583, 7.7456,
27.4847

149.9037,
173.7224, 303.8304

2.6165, 3.9326,
17.7019

185.7368,
213.8404, 363.1310

0.9544, 1.6359,
10.5690

226.8686,

0.0000, 0.3816,

259.7031, 429.6854

5.6673

273.6642,
311.6948, 503.9121

■ 0.0000, 0.0000,
2.5784

■ 0.0000, 0.0000,
0.8813

■ 37.4294, 45.8487,
101.4847

■ 37.4294, 45.8487,
101.4847

■ 36.9570, 45.0339,
101.3523

■ 39.3820, 48.9729,
101.9848

■ 42.0034, 52.5297,
102.5332

■ 45.4184, 56.5853,
103.1360

■ 49.7232, 61.1902,
103.7979

■ 54.9996, 66.3875,
104.5230

■ 61.3197, 72.2155,
105.3148

■ 68.7483, 78.7085,
106.1766

■ 77.3451, 85.8982,
107.1112

■ 87.1652, 93.8139,
108.1215

Harmonies

Analogous

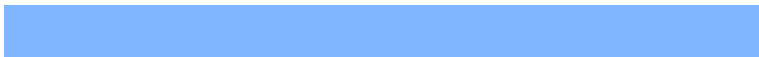
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.1757, 45.8487, 79.8021



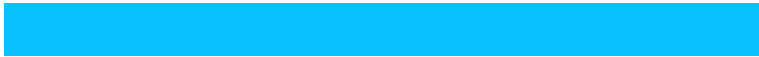
37.4294, 45.8487, 101.4847



44.9713, 45.8487, 107.8748

Triad

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



37.4294, 45.8487, 101.4847



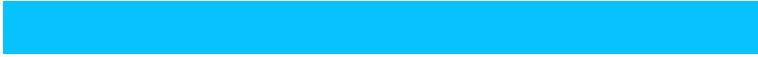
60.7551, 45.8487, 46.0757



35.3126, 45.8487, 21.8779

Complementary

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



37.4294, 45.8487, 101.4847



43.3505, 25.4189, 2.8247

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.



42.2134, 45.8487, 17.6540



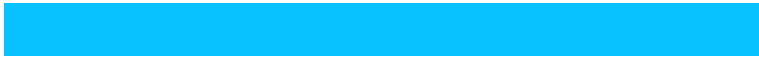
37.4294, 45.8487, 101.4847



57.3981, 45.8487, 28.6214

Square

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



37.4294, 45.8487, 101.4847



59.0709, 45.8487, 70.8115



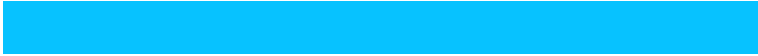
50.3652, 45.8487, 19.6776



31.0624, 45.8487, 33.6061

Rectangle

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



37.4294, 45.8487, 101.4847



50.4430, 45.8487, 101.3334



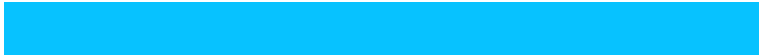
50.3652, 45.8487, 19.6776



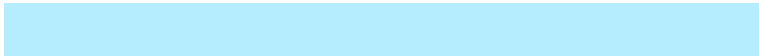
37.3656, 45.8487, 19.7284

Sweetspot

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



37.4308, 45.8502, 101.4849



67.3457, 77.5057, 106.0183



36.8006, 71.9465, 16.9373



13.7253, 15.9899, 22.6129



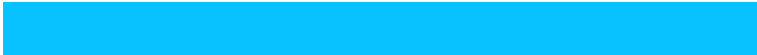
0.0000, 0.0000, 0.0000



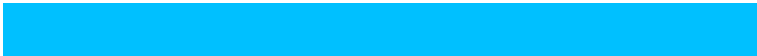
20.3446, 21.4041, 23.3091

Same Dimension

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



37.4308, 45.8502, 101.4849



36.9570, 45.0339, 101.3523



20.5336, 12.0558, 95.8525



18.1541, 19.6798, 23.0917



19.4344, 23.7784, 53.0000



1.9779, 2.4866, 5.1890

Inverse Universe

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



51.0547, 25.3088, 53.2344



50.7834, 25.0773, 52.1846



59.4521, 57.6222, 8.1920



18.5904, 18.2195, 21.7263



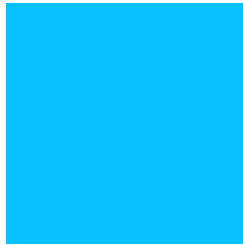
26.5978, 13.1284, 27.5962



2.6330, 1.2956, 2.9147

Previews

White Background



This preview shows how the XYZ color 37.4294, 45.8487, 101.4847 looks on a white background.

Color Contrast Check

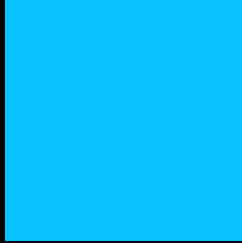
Large Text (above 18pt) WCAG AA × Fail

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 37.4294, 45.8487, 101.4847 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 37.4294, 45.8487, 101.4847

Background



This preview shows how black text looks on a background with the XYZ color 37.4294, 45.8487, 101.4847.

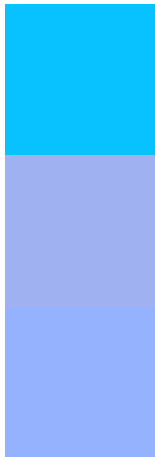


This preview shows how white text looks on a background with the XYZ color 37.4294, 45.8487,

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

37.4294, 45.8487, 101.4847

Protanopia

46.2464, 45.3287, 90.3163

Deuteranopia

46.3648, 45.4504, 100.9368



Tritanopia

32.5610, 45.7019, 70.7235

Trichromacy



Original Color

37.4294, 45.8487, 101.4847

Protanomaly

39.4309, 43.5254, 94.3187

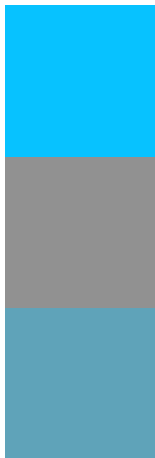
Deuteranomaly

40.1203, 44.0424, 100.9942

Tritanomaly

34.1467, 45.6090, 81.1324

Monochromacy



Original Color

37.4294, 45.8487, 101.4847

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.5735, 32.1301, 50.7001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4294, 45.8487, 101.4847 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(7, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(7, 194, 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(7, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 194, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.4294, 45.8487, 101.4847 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(7, 194, 255) }
```


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

```
.border{ border-color:rgb(7, 194, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(7, 194,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4294, 45.8487, 101.4847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 194, 255) }
```

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

```
.background{ background-color: rgb(7, 194,  
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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