

Converting Colors

XYZ(42.0937, 54.9371,
102.9931)

Have a look what the booklet for
XYZ(42.0937, 54.9371, 102.9931)
contains.

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Color

**XYZ(42.0937, 54.9371,
102.9931)**

Conversions

Conversions Part 1

Format	Color
Hex	12D5FF
RGB	18, 213, 255
RGB Percent	7%, 84%, 100%
CMY	0.9292, 0.1647, 0.0000
CMYK	0.93, 0.16, 0.00, 0.00
HSL	191°, 100%, 54%
HSV	191°, 93%, 100%
XYZ	42.0937, 54.9371, 102.9931
YIQ	159.4830, -129.7020, -28.2780

Conversions

Conversions Part 2

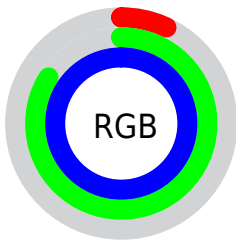
Format	Color
R _Y B	18, 125, 255
Decimal	1234431
CIE Lab	79.01, -28.38, -32.52
CIE LCh	79, 43.168, 228.890
Yxy	54.9371, 0.2104, 0.2747
Android (android.graphics.Color)	4279424511 (0xFF12D5FF)
YUV	159.4830, 47.0899, -124.0806
Hunter-Lab	74.1196, -28.3362, -30.5029

Details

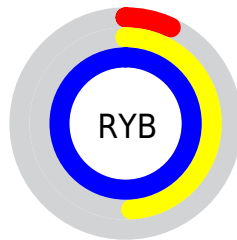
The XYZ color **42.0937, 54.9371, 102.9931** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **42.9680, 24.5406, 3.0466**, and the grayscale version is **33.0168, 34.7362, 37.8277**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **22.4199, 28.5309, 57.7514** is the 20% darker color. If you saturate the color by 10%, you get **41.0481, 53.2162, 102.7160**, and if you desaturate by 10%, it is **44.0172, 57.6410, 103.4136**.

Distribution



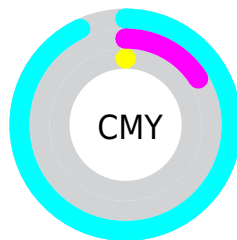
- Red (7%)
- Green (84%)
- Blue (100%)



- Red (7%)
- Yellow (49%)
- Blue (100%)



- Cyan (93%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (93%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0937, 54.9371, 102.9931 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 42.0937, 54.9371, 102.9931 by changing the saturation by 10% instead.

42.0937, 54.9371,
102.9931

42.0937, 54.9371,
102.9931

345.8562,
405.6735, 591.0752

29.3661, 39.3514,
78.1718

77.6057, 97.4488,
167.3520

19.5036, 27.0332,
57.6978

101.1208,
125.1435, 207.7266

12.1409, 17.5981,
41.1527

128.9624,
157.6434, 254.1228

6.9126, 10.6619,
28.1178

161.4960,
195.3328, 306.9590

3.4533, 5.8399,
18.1747

199.0868,
238.5961, 366.6538

1.3978, 2.7480,
10.9047

242.1002,

0.2546, 1.0016,

287.8177, 433.6257

5.8894

290.9015,
343.3820, 508.2934

■ 0.0000, 0.0000,
2.7103

■ 0.0000, 0.0000,
0.9486

■ 42.0937, 54.9371,
102.9931

■ 42.0937, 54.9371,
102.9931

■ 41.0481, 53.2162,
102.7160

■ 44.0172, 57.6410,
103.4136

■ 46.6403, 60.7519,
103.8758

■ 50.0721, 64.3276,
104.3851

■ 54.4014, 68.4141,
104.9457

■ 59.7050, 73.0513,
105.5613

■ 66.0512, 78.2748,
106.2350

■ 73.5021, 84.1171,
106.9700

■ 82.1148, 90.6079,
107.7689

■ 91.9424, 97.7748,
108.6343

Harmonies

Analogous

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



38.0987, 54.9371, 76.4716



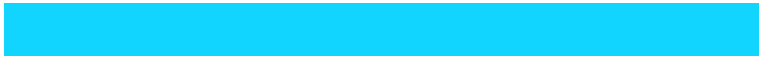
42.0937, 54.9371, 102.9931



49.0983, 54.9371, 119.2584

Triad

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



42.0937, 54.9371, 102.9931



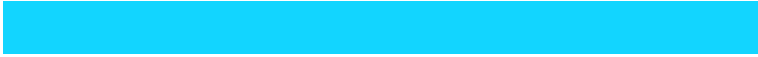
70.1536, 54.9371, 69.4008



47.0503, 54.9371, 25.3015

Complementary

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



42.0937, 54.9371, 102.9931



42.9680, 24.5406, 3.0466

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.



55.4631, 54.9371, 24.3772



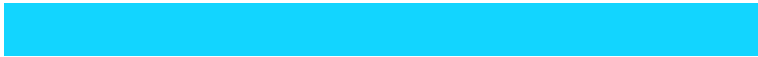
42.0937, 54.9371, 102.9931



69.4500, 54.9371, 45.7754

Square

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



42.0937, 54.9371, 102.9931



65.6722, 54.9371, 96.6117



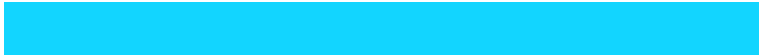
63.8435, 54.9371, 30.7918



40.7363, 54.9371, 33.7989

Rectangle

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



42.0937, 54.9371, 102.9931



54.8097, 54.9371, 119.7631



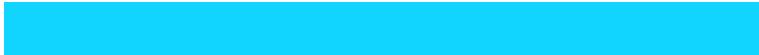
63.8435, 54.9371, 30.7918



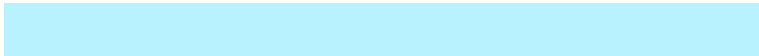
49.7055, 54.9371, 24.2027

Sweetspot

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



42.0953, 54.9390, 102.9934



69.5764, 81.0708, 106.5889



36.7625, 71.9499, 15.8923



14.2275, 16.8260, 22.7478



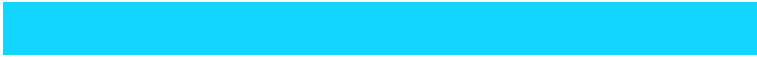
0.0000, 0.0000, 0.0000



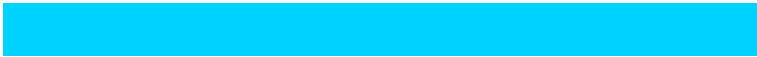
20.3446, 21.4041, 23.3091

Same Dimension

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



42.0953, 54.9390, 102.9934



41.0481, 53.2162, 102.7160



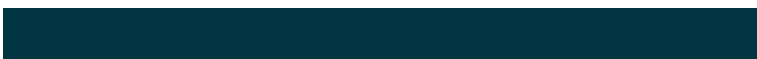
22.5782, 15.9047, 96.4877



18.2649, 19.9014, 23.1286



21.5482, 28.0060, 53.7046



2.1665, 2.8638, 5.2518

Inverse Universe

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



53.4677, 26.4985, 65.2493



52.8484, 25.9033, 63.0589



56.8782, 52.3611, 7.6833



18.6464, 18.2419, 22.0208



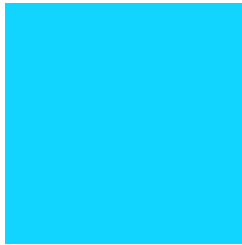
27.6647, 13.5552, 33.2147



2.7282, 1.3336, 3.4159

Previews

White Background



This preview shows how the XYZ color 42.0937, 54.9371, 102.9931 looks on a white background.

Color Contrast Check

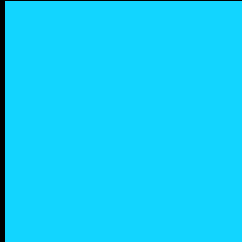
Large Text (above 18pt) WCAG AA × Fail

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 42.0937, 54.9371, 102.9931 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

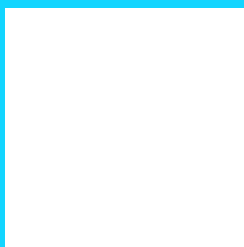
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0937, 54.9371, 102.9931

Background



This preview shows how black text looks on a background with the XYZ color 42.0937, 54.9371, 102.9931.

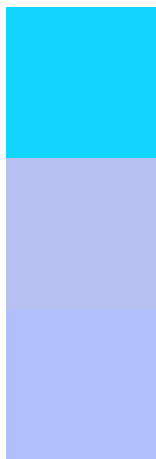


This preview shows how white text looks on a background with the XYZ color 42.0937, 54.9371,

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

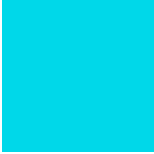
42.0937, 54.9371, 102.9931

Protanopia

54.1063, 54.0578, 90.0206

Deuteranopia

55.0409, 53.9466, 102.1195



Tritanopia

39.2638, 54.9949, 85.6365

Trichromacy



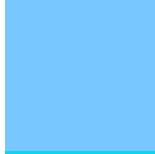
Original Color

42.0937, 54.9371, 102.9931



Protanomaly

45.3041, 52.1121, 94.0571



Deuteranomaly

46.2192, 52.0599, 102.2203



Tritanomaly

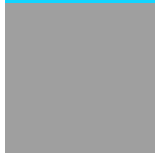
40.2652, 54.9969, 91.7124

Monochromacy



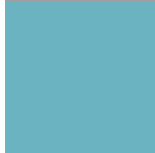
Original Color

42.0937, 54.9371, 102.9931



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

32.0420, 39.3234, 56.9403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0937, 54.9371, 102.9931 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(18, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(18, 213, 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(18, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 213, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.0937, 54.9371, 102.9931 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(18, 213, 255) }
```


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

```
.border{ border-color:rgb(18, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(18, 213,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0937, 54.9371, 102.9931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 213, 255) }
```

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

```
.background{ background-color: rgb(18, 213,  
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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