

Converting Colors

XYZ(41.2656, 48.5372,
101.8008)

Have a look what the booklet for
XYZ(41.2656, 48.5372, 101.8008)
contains.

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Color

**XYZ(41.2696, 48.4937,
101.7928)**

Conversions

Conversions Part 1

Format	Color
Hex	52C4FF
RGB	82, 196, 255
RGB Percent	32%, 77%, 100%
CMY	0.6784, 0.2314, 0.0000
CMYK	0.68, 0.23, 0.00, 0.00
HSL	200°, 100%, 66%
HSV	200°, 68%, 100%
XYZ	41.2696, 48.4937, 101.7928
YIQ	168.6400, -86.8830, -5.8190

Conversions

Conversions Part 2

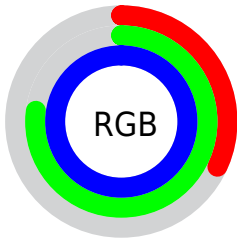
Format	Color
R _Y B	82, 151, 255
Decimal	5424383
CIE Lab	75.14, -14.21, -38.43
CIE LCh	75, 40.973, 249.712
Yxy	48.4937, 0.2154, 0.2532
Android (android.graphics.Color)	4283614463 (0xFF52C4FF)
YUV	168.6400, 42.5755, -75.9833
Hunter-Lab	69.6374, -16.0801, -37.9212

Details

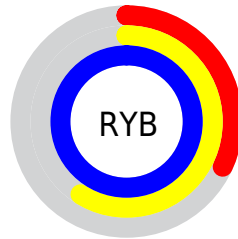
The XYZ color **41.2696, 48.4937, 101.7928** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **52.2895, 40.9215, 13.1274**, and the grayscale version is **37.3638, 39.3096, 42.8081**.

A 20% lighter version of the original color is **65.3880, 83.7665, 107.3300**, and **19.8660, 23.4232, 56.9002** is the 20% darker color. If you saturate the color by 10%, you get **37.5449, 43.7461, 101.0728**, and if you desaturate by 10%, it is **45.9344, 53.8964, 102.5898**.

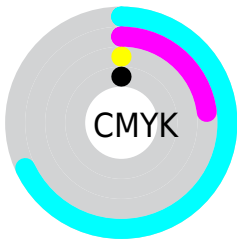
Distribution



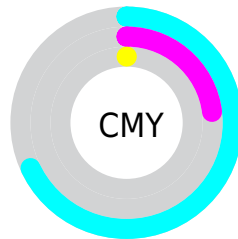
- Red (32%)
- Green (77%)
- Blue (100%)



- Red (32%)
- Yellow (59%)
- Blue (100%)



- Cyan (68%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (68%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2696, 48.4937, 101.7928 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 41.2696, 48.4937, 101.7928 by changing the saturation by 10% instead.

■ 41.2696, 48.4937,
101.7928

■ 41.2696, 48.4937,
101.7928

342.4895,
380.7457, 587.2211

■ 28.7184, 34.2180,
77.1734

■ 76.3651, 87.9390,
165.6920

■ 19.0111, 23.0611,
56.8828

■ 99.6401, 113.8775,
205.8090

■ 11.7824, 14.6387,
40.5024

■ 127.2205,
144.4723, 251.9288

■ 6.6668, 8.5662,
27.6137

■ 159.4715,
180.1078, 304.4702

■ 3.2991, 4.4593,
17.7982

196.7586,
221.1686, 363.8515

■ 1.3138, 1.9337,
10.6373

239.4470,

■ 0.1935, 0.5685,

268.0389, 430.4914

5.7124

287.9022,
321.1031, 504.8085

■ 0.0000, 0.0000,
2.6050

■ 0.0000, 0.0000,
0.8951

■ 41.2696, 48.4937,
101.7928

■ 41.2696, 48.4937,
101.7928

■ 37.5449, 43.7461,
101.0728

■ 45.9344, 53.8964,
102.5898

■ 34.6573, 39.5952,
100.4238

■ 51.6185, 59.9953,
103.4674

■ 32.4773, 35.9722,
99.8393

■ 58.3971, 66.8328,
104.4299

■ 32.0588, 35.2375,
99.7196

■ 66.3367, 74.4456,
105.4809

■ 75.4982, 82.8679,
106.6237

■ 85.9381, 92.1312,
107.8614

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



35.8634, 48.4937, 83.8339



41.2696, 48.4937, 101.7928



48.5679, 48.4937, 104.8757

Triad

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



41.2696, 48.4937, 101.7928



61.8194, 48.4937, 46.1353



37.4772, 48.4937, 26.9742

Complementary

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



41.2696, 48.4937, 101.7928



52.2895, 40.9215, 13.1274

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.



43.7013, 48.4937, 21.6557



41.2696, 48.4937, 101.7928



58.1007, 48.4937, 30.5629

Square

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



41.2696, 48.4937, 101.7928



60.9864, 48.4937, 68.4575



51.2757, 48.4937, 22.7617



33.8442, 48.4937, 39.7351

Rectangle

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



41.2696, 48.4937, 101.7928



53.6162, 48.4937, 97.4145



51.2757, 48.4937, 22.7617



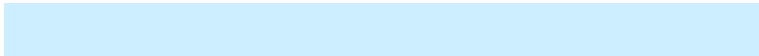
39.3065, 48.4937, 24.4380

Sweetspot

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



41.2711, 48.4953, 101.7931



73.4120, 80.9776, 106.3688



43.9502, 75.1982, 36.8833



15.1513, 16.8188, 22.6977



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.



41.2711, 48.4953, 101.7931



36.5467, 42.3722, 100.8602



27.1978, 20.3488, 97.1020



18.0026, 19.3769, 23.0412



16.8955, 18.7007, 52.1537



1.7466, 2.0238, 5.1119

Inverse Universe

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



54.2222, 31.2818, 55.4063



51.0257, 26.8950, 48.1559



70.0056, 76.3537, 19.0328



18.5140, 18.1889, 21.3237



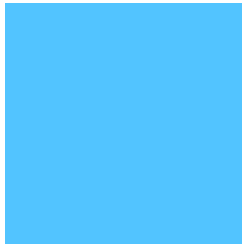
25.3163, 12.6158, 20.8479



2.5162, 1.2489, 2.2997

Previews

White Background



This preview shows how the XYZ color 41.2696, 48.4937, 101.7928 looks on a white background.

Color Contrast Check

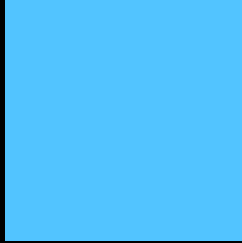
Large Text (above 18pt) WCAG AA × Fail

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 41.2696, 48.4937, 101.7928 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

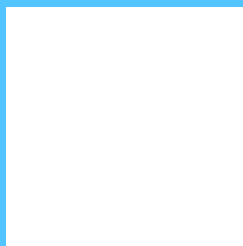
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.2696, 48.4937, 101.7928

Background



This preview shows how black text looks on a background with the XYZ color 41.2696, 48.4937, 101.7928.

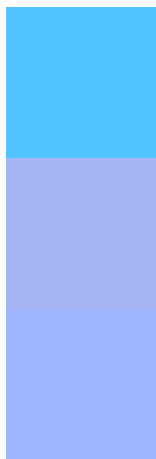


This preview shows how white text looks on a background with the XYZ color 41.2696, 48.4937,

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

41.2696, 48.4937, 101.7928

Protanopia

48.5789, 47.6864, 92.2320

Deuteranopia

49.0760, 48.0468, 101.2951



Tritanopia

36.0056, 48.7870, 74.5370

Trichromacy



Original Color

41.2696, 48.4937, 101.7928

Protanomaly

44.4939, 47.0460, 95.5426

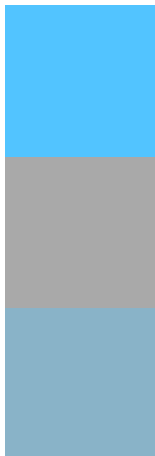
Deuteranomaly

45.1804, 47.5859, 101.4115

Tritanomaly

37.6037, 48.3637, 83.6971

Monochromacy



Original Color

41.2696, 48.4937, 101.7928

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.8620, 41.7287, 60.7552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2696, 48.4937, 101.7928 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(82, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(82, 196, 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(82, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 196, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.2696, 48.4937, 101.7928 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(82, 196, 255) }
```


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

```
.border{ border-color:rgb(82, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(82, 196,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2696, 48.4937, 101.7928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 196, 255) }
```

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

```
.background{ background-color: rgb(82, 196,  
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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