

Converting Colors

XYZ(41.9690, 51.9089,
102.4146)

Have a look what the booklet for
XYZ(41.9690, 51.9089, 102.4146)
contains.

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Color

**XYZ(41.9957, 51.9726,
102.4261)**

Conversions

Conversions Part 1

Format	Color
Hex	40CDFF
RGB	64, 205, 255
RGB Percent	25%, 80%, 100%
CMY	0.7490, 0.1961, 0.0000
CMYK	0.75, 0.20, 0.00, 0.00
HSL	196°, 100%, 63%
HSV	196°, 75%, 100%
XYZ	41.9957, 51.9726, 102.4261
YIQ	168.5410, -100.0860, -14.3420

Conversions

Conversions Part 2

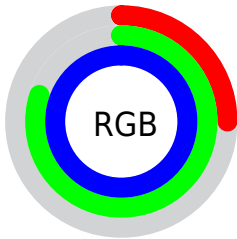
Format	Color
R _Y B	64, 145, 255
Decimal	4247039
CIE Lab	77.26, -21.18, -35.16
CIE LCh	77, 41.049, 238.943
Yxy	51.9726, 0.2138, 0.2646
Android (android.graphics.Color)	4282437119 (0xFF40CDFF)
YUV	168.5410, 42.6243, -91.6825
Hunter-Lab	72.0920, -22.1796, -33.7730

Details

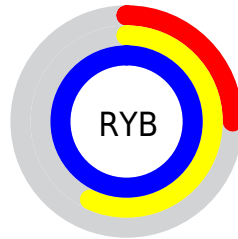
The XYZ color **41.9957, 51.9726, 102.4261** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **48.1846, 33.6678, 8.8117**, and the grayscale version is **37.3202, 39.2637, 42.7582**.

A 20% lighter version of the original color is **64.1265, 84.0584, 107.4528**, and **21.2597, 26.2104, 57.3647** is the 20% darker color. If you saturate the color by 10%, you get **39.1374, 48.1797, 101.8446**, and if you desaturate by 10%, it is **45.6825, 56.2956, 103.0662**.

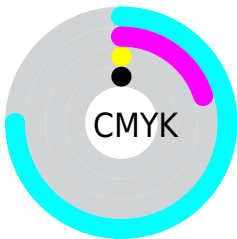
Distribution



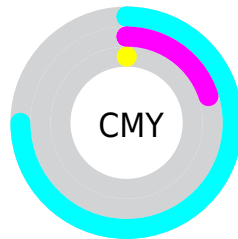
- Red (25%)
- Green (80%)
- Blue (100%)



- Red (25%)
- Yellow (57%)
- Blue (100%)



- Cyan (75%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (75%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9957, 51.9726, 102.4261 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 41.9957, 51.9726, 102.4261 by changing the saturation by 10% instead.

41.9957, 51.9726,
102.4261

41.9957, 51.9726,
102.4261

345.4570,
394.3308, 589.2563

29.2890, 36.9832,
77.7001

77.4583, 93.0908,
166.5681

19.4449, 25.1945,
57.3126

100.9450,
119.9885, 206.8211

12.0981, 16.2220,
40.8453

128.7557,
151.6244, 253.0870

6.8832, 9.6814,
27.8794

161.2557,
188.3828, 305.7841

3.4349, 5.1882,
17.9965

198.8106,
230.6483, 365.3310

1.3877, 2.3581,
10.7781

241.7855,

0.2474, 0.8042,

278.8052, 432.1463

5.8055

290.5459,
333.2379, 506.6486

■ 0.0000, 0.0000,
2.6603

■ 0.0000, 0.0000,
0.9234

■ 41.9957, 51.9726,
102.4261

■ 41.9957, 51.9726,
102.4261

■ 39.1374, 48.1797,
101.8446

■ 45.6825, 56.2956,
103.0662

■ 36.9894, 44.8520,
101.3155

■ 50.2854, 61.1923,
103.7687

■ 36.0854, 43.2909,
101.0618

■ 55.8854, 66.7066,
104.5379

■ 62.5527, 72.8758,
105.3773

■ 70.3511, 79.7341,
106.2901

■ 79.3391, 87.3128,
107.2792

■ 89.5712, 95.6409,
108.3474

■ 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.



37.3040, 51.9726, 80.2601



41.9957, 51.9726, 102.4261



49.1198, 51.9726, 111.9209

Triad

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



41.9957, 51.9726, 102.4261



66.1256, 51.9726, 57.3926



42.4311, 51.9726, 26.5053

Complementary

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



41.9957, 51.9726, 102.4261



48.1846, 33.6678, 8.8117

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.



49.6781, 51.9726, 23.3771



41.9957, 51.9726, 102.4261



63.8595, 51.9726, 38.1005

Square

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



41.9957, 51.9726, 102.4261



63.5287, 51.9726, 82.0209



57.6236, 51.9726, 26.9905



37.5360, 51.9726, 37.0467

Rectangle

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



41.9957, 51.9726, 102.4261



54.4754, 51.9726, 108.2747



57.6236, 51.9726, 26.9905



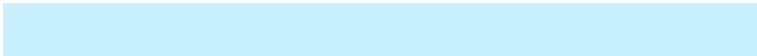
44.6470, 51.9726, 24.6990

Sweetspot

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



41.9973, 51.9744, 102.4263



72.8292, 81.8535, 106.5685



40.7867, 73.7750, 27.3500



15.0911, 17.0949, 22.7542



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.



41.9973, 51.9744, 102.4263



37.9605, 46.4273, 101.5684



25.9332, 19.8462, 97.0716



18.1288, 19.6293, 23.0833



18.9834, 22.8764, 52.8496



1.9373, 2.4052, 5.1754

Inverse Universe

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



54.0940, 29.3364, 60.5706



51.4397, 25.9133, 53.8728



64.5402, 66.3791, 14.2635



18.5777, 18.2144, 21.6592



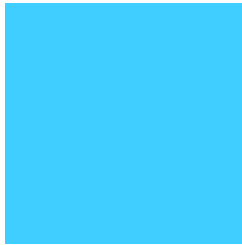
26.3701, 13.0374, 26.3974



2.6125, 1.2874, 2.8066

Previews

White Background



This preview shows how the XYZ color 41.9957, 51.9726, 102.4261 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 41.9957, 51.9726, 102.4261 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

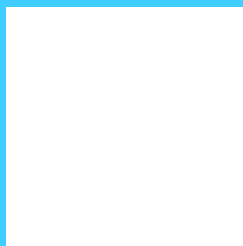
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.9957, 51.9726, 102.4261

Background



This preview shows how black text looks on a background with the XYZ color 41.9957, 51.9726, 102.4261.



This preview shows how white text looks on a background with the XYZ color 41.9957, 51.9726,

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

41.9957, 51.9726, 102.4261

Protanopia

51.4765, 51.0654, 91.1479

Deuteranopia

52.3979, 51.3067, 101.7493



Tritanopia

37.7111, 52.0513, 80.7324

Trichromacy



Original Color

41.9957, 51.9726, 102.4261

Protanomaly

46.0720, 50.4499, 95.3052

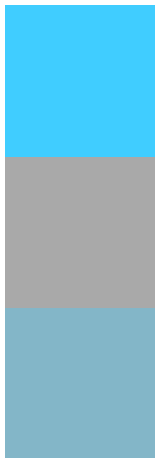
Deuteranomaly

46.7019, 50.6289, 101.9186

Tritanomaly

39.0142, 51.8305, 88.0688

Monochromacy



Original Color

41.9957, 51.9726, 102.4261

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.5133, 42.4513, 60.9130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9957, 51.9726, 102.4261 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(64, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(64, 205, 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(64, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 205, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.9957, 51.9726, 102.4261 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(64, 205, 255) }
```


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

```
.border{ border-color:rgb(64, 205, 255) }
```

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

Here you see how a box with a 4 pixel rgb(64, 205, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(64, 205,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9957, 51.9726, 102.4261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 205, 255) }
```

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

```
.background{ background-color: rgb(64, 205,  
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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