

Converting Colors

XYZ(40.5114, 52.7566, 97.6716)

Have a look what the booklet for
XYZ(40.5114, 52.7566, 97.6716)
contains.

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Color

**XYZ(40.5265, 52.7638,
97.6710)**

Conversions

Conversions Part 1

Format	Color
Hex	21D1F9
RGB	33, 209, 249
RGB Percent	13%, 82%, 98%
CMY	0.8705, 0.1804, 0.0235
CMYK	0.87, 0.16, 0.00, 0.02
HSL	191°, 95%, 55%
HSV	191°, 87%, 98%
XYZ	40.5265, 52.7638, 97.6710
YIQ	160.9360, -117.7360, -24.8720

Conversions

Conversions Part 2

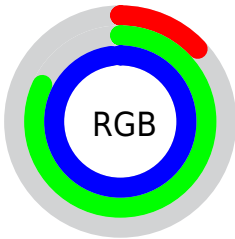
Format	Color
R _Y B	33, 130, 249
Decimal	2216441
CIE Lab	77.74, -27.70, -31.27
CIE LCh	78, 41.776, 228.466
Yxy	52.7638, 0.2122, 0.2763
Android (android.graphics.Color)	4280406521 (0xFF21D1F9)
YUV	160.9360, 43.4156, -112.1999
Hunter-Lab	72.6387, -27.5292, -28.8751

Details

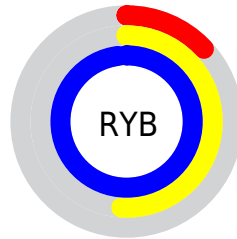
The XYZ color **40.5265, 52.7638, 97.6710** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **41.7264, 25.0183, 4.0706**, and the grayscale version is **33.6948, 35.4496, 38.6046**.

A 20% lighter version of the original color is **61.6952, 82.8049, 107.3390**, and **21.0700, 26.9170, 53.9542** is the 20% darker color. If you saturate the color by 10%, you get **38.8868, 50.2640, 97.2760**, and if you desaturate by 10%, it is **42.7888, 55.6351, 98.1070**.

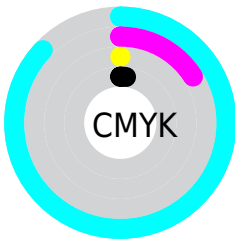
Distribution



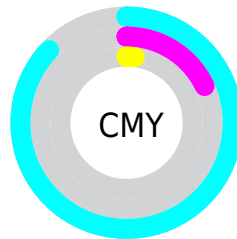
- Red (13%)
- Green (82%)
- Blue (98%)



- Red (13%)
- Yellow (51%)
- Blue (98%)



- Cyan (87%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)



- Cyan (87%)
- Magenta (18%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5265, 52.7638, 97.6710 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 40.5265, 52.7638, 97.6710 by changing the saturation by 10% instead.

40.5265, 52.7638,
97.6710

40.5265, 52.7638,
97.6710

339.4342,
397.3783, 573.8823

28.1353, 37.6142,
73.7509

75.2438, 94.2567,
159.9768

18.5687, 25.6834,
54.0946

98.3007, 121.3689,
199.1995

11.4612, 16.5870,
38.2836

125.6435,
153.2373, 244.3602

6.4475, 9.9404,
25.8994

157.6376,
190.2465, 295.8775

3.1623, 5.3595,
16.5233

194.6484,
232.7808, 354.1698

1.2401, 2.4597,
9.7368

237.0412,

0.1377, 0.8563,

281.2246, 419.6556

5.1215

285.1813,
335.9623, 492.7536

■ 0.0000, 0.0000,
2.2587

■ 0.0000, 0.0000,
0.7080

■ 40.5265, 52.7638,
97.6710

■ 40.5265, 52.7638,
97.6710

■ 38.8868, 50.2640,
97.2760

■ 42.7888, 55.6351,
98.1070

■ 38.4282, 49.4978,
97.1522

■ 45.7811, 58.9307,
98.5854

■ 49.5945, 62.6991,
99.1118

■ 54.3051, 66.9798,
99.6898

■ 59.9803, 71.8080,
100.3226

■ 66.6808, 77.2153,
101.0132

■ 74.4620, 83.2306,
101.7641

■ 83.3754, 89.8811,
102.5780

■ 92.6822, 96.7859,
103.4202

Harmonies

Analogous

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



36.7947, 52.7638, 72.7496



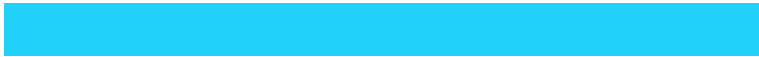
40.5265, 52.7638, 97.6710



47.1038, 52.7638, 113.0936

Triad

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



40.5265, 52.7638, 97.6710



66.9892, 52.7638, 66.8273



45.3826, 52.7638, 24.7066

Complementary

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



40.5265, 52.7638, 97.6710



41.7264, 25.0183, 4.0706

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.



53.3256, 52.7638, 23.9207



40.5265, 52.7638, 97.6710



66.4004, 52.7638, 44.4629

Square

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



40.5265, 52.7638, 97.6710



62.7200, 52.7638, 92.3447



61.1887, 52.7638, 30.1374



39.3834, 52.7638, 32.6837

Rectangle

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



40.5265, 52.7638, 97.6710



52.4758, 52.7638, 113.7454



61.1887, 52.7638, 30.1374



47.8948, 52.7638, 23.6905

Sweetspot

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



40.5283, 52.7657, 97.6723



70.9291, 81.9349, 106.6844



35.6942, 68.5520, 17.5884



14.6237, 17.0951, 22.7789



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.



40.5283, 52.7657, 97.6723



40.5508, 52.2216, 102.5503



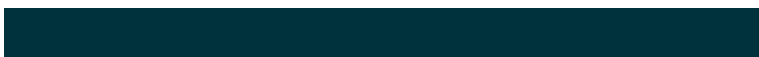
22.4215, 16.5522, 91.6367



17.4765, 19.0298, 22.1373



20.6676, 26.6908, 52.0361



1.9826, 2.6088, 4.8422

Inverse Universe

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



51.1209, 25.8327, 62.6152



52.5974, 25.8029, 61.7371



55.7868, 53.1390, 8.7573



17.8470, 17.4662, 21.0503



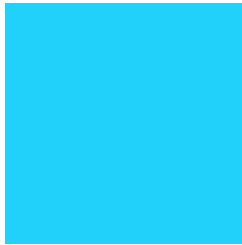
26.7241, 13.1054, 31.5851



2.5096, 1.2276, 3.1071

Previews

White Background



This preview shows how the XYZ color 40.5265, 52.7638, 97.6710 looks on a white background.

Color Contrast Check

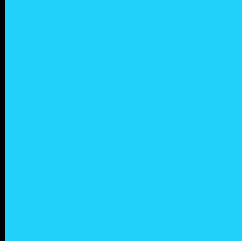
Large Text (above 18pt) WCAG AA × Fail

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 40.5265, 52.7638, 97.6710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

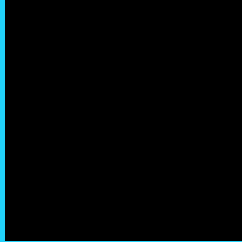
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5265, 52.7638, 97.6710

Background



This preview shows how black text looks on a background with the XYZ color 40.5265, 52.7638, 97.6710.

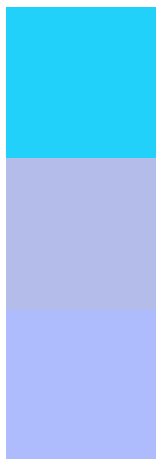


This preview shows how white text looks on a background with the XYZ color 40.5265, 52.7638,

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

40.5265, 52.7638, 97.6710

Protanopia

51.8713, 52.0390, 85.1525

Deuteranopia

53.3282, 52.1209, 101.0156



Tritanopia

37.6863, 52.7441, 82.3231

Trichromacy



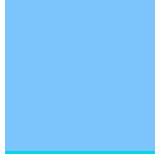
Original Color

40.5265, 52.7638, 97.6710



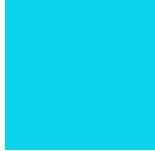
Protanomaly

44.0723, 50.2239, 89.0327



Deuteranomaly

45.4790, 50.7191, 99.4882



Tritanomaly

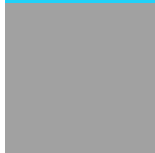
38.5862, 52.7228, 87.4997

Monochromacy



Original Color

40.5265, 52.7638, 97.6710



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

32.4855, 39.2685, 56.3195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5265, 52.7638, 97.6710 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(33, 209, 249)` looks like.

```
.text, #text, p{  
    color:rgb(33, 209, 249)  
}
```

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(33, 209, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 209, 249) }
```

Border

The CSS property to change the border of an element to XYZ 40.5265, 52.7638, 97.6710 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(33, 209, 249) }
```


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

```
.border{ border-color:rgb(33, 209, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 209, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 209, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 209, 249);  
box-shadow:4px 4px 4px 4px rgb(33, 209,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5265, 52.7638, 97.6710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 209, 249) }
```

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

```
.background{ background-color: rgb(33, 209,  
249) }
```

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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