

Converting Colors

XYZ(41.2062, 71.3189, 97.2723)

Have a look what the booklet for
XYZ(41.2062, 71.3189, 97.2723)
contains.

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Color

**XYZ(51.4544, 76.7822,
97.6965)**

Conversions

Conversions Part 1

Format	Color
Hex	00FDF4
RGB	0, 253, 244
RGB Percent	0%, 99%, 96%
CMY	0.9997, 0.0078, 0.0431
CMYK	1.00, 0.00, 0.04, 0.01
HSL	178°, 100%, 50%
HSV	178°, 100%, 99%
XYZ	51.4544, 76.7822, 97.6965
YIQ	176.3270, -147.8990, -56.4350

Conversions

Conversions Part 2

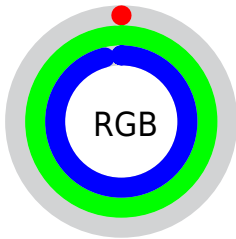
Format	Color
RYB	0, 129, 253
Decimal	65012
CIELab	90.22, -50.35, -9.76
CIELCh	90, 51.284, 190.973
Yxy	76.7822, 0.2277, 0.3398
Android (android.graphics.Color)	4278255092 (0xFF00FDF4)
YUV	176.3270, 33.3628, -154.6388
Hunter-Lab	87.6255, -48.5278, -4.7666

Details

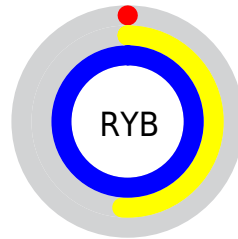
The XYZ color **51.4544, 76.7822, 97.6965** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **40.5598, 20.9047, 2.1577**, and the grayscale version is **41.3355, 43.4882, 47.3586**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **28.5922, 42.6611, 54.3044** is the 20% darker color. If you saturate the color by 10%, you get **51.4555, 76.7845, 97.6964**, and if you desaturate by 10%, it is **52.0030, 77.0509, 98.4394**.

Distribution



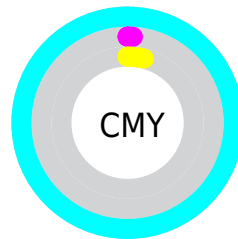
- Red (0%)
- Green (99%)
- Blue (96%)



- Red (0%)
- Yellow (51%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (1%)





- Cyan (100%)
- Magenta (1%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4544, 76.7822, 97.6965 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 51.4544, 76.7822, 97.6965 by changing the saturation by 10% instead.


 51.4544, 76.7822,
97.6965


 51.4544, 76.7822,
97.6965

382.6853,
484.0211, 573.9654


 36.7929, 57.0741,
73.7721


 91.5051, 128.8320,
160.0122

 25.2201, 41.0648,
54.1118


 117.6250,
161.9425, 199.2405

 16.3707, 28.3697,
38.2973


 148.2950,
200.2893, 244.4072

 9.8794, 18.6045,
25.9099

 183.8806,
244.2567, 295.9309

 5.3807, 11.3849,
16.5311

224.7471,
294.2293, 354.2299

 2.5094, 6.3263,
9.7423

271.2598,

 0.9000, 3.0445,

350.5912, 419.7230

5.1251

323.7841,
413.7270, 492.8287

■ 0.0000, 1.1550,
2.2608

■ 0.0000, 0.0245,
0.7091

■ 51.4544, 76.7822,
97.6965

■ 51.4544, 76.7822,
97.6965

■ 51.4555, 76.7845,
97.6964

■ 52.0030, 77.0509,
98.4394

■ 53.0793, 77.5898,
99.2088

■ 54.8472, 78.4852,
100.0141

■ 57.4053, 79.7879,
100.8598

■ 60.8364, 81.5406,
101.7499

■ 65.2130, 83.7805,
102.6877

■ 70.5999, 86.5413,
103.6764

■ 77.0561, 89.8532,
104.7186

■ 84.6362, 93.7444,
105.8169

Harmonies

Analogous

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



52.1639, 76.7822, 62.7323



51.4544, 76.7822, 97.6965



55.9852, 76.7822, 138.6283

Triad

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



51.4544, 76.7822, 97.6965



90.2692, 76.7822, 148.6320



81.2697, 76.7822, 33.2325

Complementary

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



51.4544, 76.7822, 97.6965



40.5598, 20.9047, 2.1577

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.



93.1049, 76.7822, 45.4889



51.4544, 76.7822, 97.6965



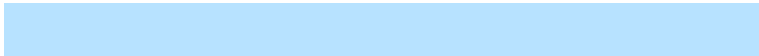
98.7044, 76.7822, 108.6539

Square

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



51.4544, 76.7822, 97.6965



77.7473, 76.7822, 173.2438



99.7987, 76.7822, 70.9342



68.4101, 76.7822, 31.8712

Rectangle

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



51.4544, 76.7822, 97.6965



61.7148, 76.7822, 161.2782



99.7987, 76.7822, 70.9342



85.5370, 76.7822, 36.0009

Sweetspot

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



51.4567, 76.7851, 97.6983



71.8497, 88.0901, 105.5423



35.2886, 70.3364, 11.7183



14.8564, 18.5871, 22.4982



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.



51.4567, 76.7851, 97.6983



52.3830, 78.1692, 99.4555



26.9901, 25.6107, 96.4524



18.5253, 20.4696, 23.0691



27.3837, 40.8501, 52.0331



2.6747, 3.9808, 5.1105

Inverse Universe

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



40.5598, 20.9047, 2.1577



41.2897, 21.2799, 2.1918



46.5145, 32.8931, 3.8994



18.0356, 17.9975, 18.8045



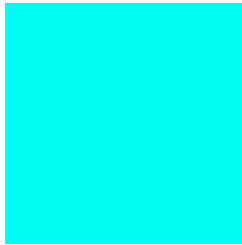
21.5861, 11.1237, 1.2048



2.1106, 1.0866, 0.1636

Previews

White Background



This preview shows how the XYZ color 51.4544, 76.7822, 97.6965 looks on a white background.

Color Contrast Check

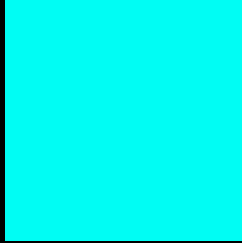
Large Text (above 18pt) WCAG AA × Fail

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 51.4544, 76.7822, 97.6965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

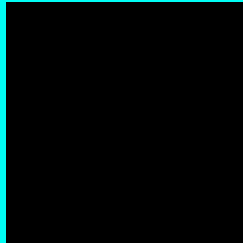
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.4544, 76.7822, 97.6965

Background



This preview shows how black text looks on a background with the XYZ color 51.4544, 76.7822, 97.6965.

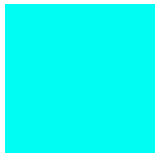


This preview shows how white text looks on a background with the XYZ color 51.4544, 76.7822,

Color Blindness Simulation

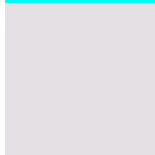
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



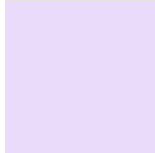
Original Color

51.4544, 76.7822, 97.6965



Protanopia

72.5157, 75.3513, 83.3953



Deuteranopia

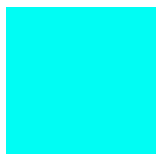
76.6758, 75.1205, 101.7252



Tritanopia

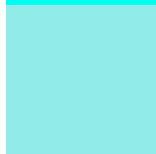
61.0069, 76.0599, 106.0734

Trichromacy



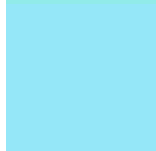
Original Color

51.4544, 76.7822, 97.6965



Protanomaly

56.0934, 71.3196, 87.9004



Deuteranomaly

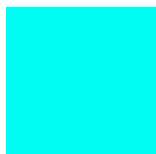
57.9136, 70.3187, 99.3274



Tritanomaly

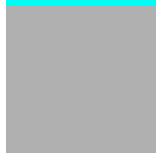
54.4786, 74.5452, 102.7841

Monochromacy



Original Color

51.4544, 76.7822, 97.6965



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.8176, 50.8475, 63.0270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4544, 76.7822, 97.6965 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(0, 253, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 253, 244)  
}
```

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(0, 253, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 253, 244) }
```

Border

The CSS property to change the border of an element to XYZ 51.4544, 76.7822, 97.6965 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(0, 253, 244) }
```


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

```
.border{ border-color:rgb(0, 253, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 253, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 253, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 253, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 253,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4544, 76.7822, 97.6965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 253, 244) }
```

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

```
.background{ background-color: rgb(0, 253,  
244) }
```

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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