

Converting Colors

XYZ(52.3164, 78.1630, 98.1799)

Have a look what the booklet for
XYZ(52.3164, 78.1630, 98.1799)
contains.

XYZ(52.2702, 78.1450, 97.9165) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(52.2702, 78.1450,
97.9165)**

Conversions

Conversions Part 1

Format	Color
Hex	0EFFF4
RGB	14, 255, 244
RGB Percent	5%, 100%, 96%
CMY	0.9449, 0.0000, 0.0431
CMYK	0.94, 0.00, 0.04, 0.00
HSL	177°, 100%, 53%
HSV	177°, 94%, 100%
XYZ	52.2702, 78.1450, 97.9165
YIQ	181.6870, -140.1050, -54.5130

Conversions

Conversions Part 2

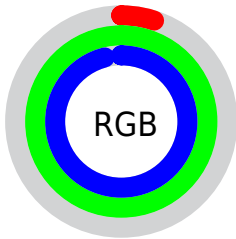
Format	Color
R_{YB}	14, 137, 255
Decimal	983028
CIE _{Lab}	90.85, -50.90, -8.83
CIE _{LCh}	91, 51.657, 189.841
Yxy	78.1450, 0.2289, 0.3422
Android (android.graphics.Color)	4279173108 (0xFF0EFFF4)
YUV	181.6870, 30.7203, -147.0615
Hunter-Lab	88.3997, -49.1534, -3.7932

Details

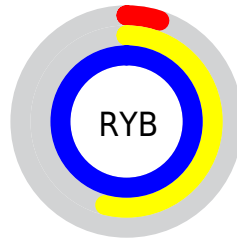
The XYZ color **52.2702, 78.1450, 97.9165** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **41.5738, 21.6459, 2.9095**, and the grayscale version is **44.1945, 46.4960, 50.6342**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **29.0434, 43.5633, 54.4548** is the 20% darker color. If you saturate the color by 10%, you get **51.9921, 78.0129, 97.3973**, and if you desaturate by 10%, it is **53.1246, 78.5649, 98.8835**.

Distribution



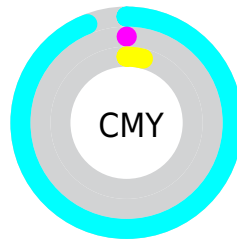
- Red (5%)
- Green (100%)
- Blue (96%)



- Red (5%)
- Yellow (54%)
- Blue (100%)



- Cyan (94%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (94%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2702, 78.1450, 97.9165 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 52.2702, 78.1450, 97.9165 by changing the saturation by 10% instead.


 52.2702, 78.1450,
97.9165

 52.2702, 78.1450,
97.9165


385.7857,
488.6591, 574.6814

 37.4456, 58.1931,
73.9545


 92.7015, 130.7545,
160.3178


 25.7280, 41.9639,
54.2602


 119.0389,
164.1809, 199.5943

 16.7519, 29.0730,
38.4152


 149.9446,
202.8676, 244.8126

 10.1519, 19.1361,
26.0007

 185.7841,
247.1989, 296.3913

 5.5628, 11.7686,
16.5984

226.9225,
297.5594, 354.7490

 2.6192, 6.5863,
9.7897

273.7254,

 0.9558, 3.2048,

354.3333, 420.3043

5.1560

326.5580,
417.9051, 493.4755

■ 0.0000, 1.2396,
2.2787

■ 0.0000, 0.0937,
0.7193

■ 52.2702, 78.1450,
97.9165

■ 52.2702, 78.1450,
97.9165

■ 51.9921, 78.0129,
97.3973

■ 53.1246, 78.5649,
98.8835

■ 54.6287, 79.3197,
99.8854

■ 56.8953, 80.4674,
100.9287

■ 60.0151, 82.0549,
102.0179

■ 64.0662, 84.1223,
103.1565

■ 69.1179, 86.7054,
104.3478

■ 75.2330, 89.8366,
105.5948

■ 82.4690, 93.5455,
106.9001

■ 90.8794, 97.8597,
108.2663

Harmonies

Analogous

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



53.1960, 78.1450, 62.7259



52.2702, 78.1450, 97.9165



56.6894, 78.1450, 139.6764

Triad

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



52.2702, 78.1450, 97.9165



91.4650, 78.1450, 152.7293



83.2250, 78.1450, 34.0285

Complementary

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



52.2702, 78.1450, 97.9165



41.5738, 21.6459, 2.9095

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.



95.1651, 78.1450, 46.9738



52.2702, 78.1450, 97.9165



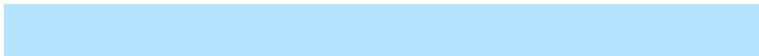
100.2939, 78.1450, 112.2150

Square

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



52.2702, 78.1450, 97.9165



78.6287, 78.1450, 176.8924



101.7218, 78.1450, 73.4295



70.0840, 78.1450, 32.2519

Rectangle

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



52.2702, 78.1450, 97.9165



62.4122, 78.1450, 163.1948



101.7218, 78.1450, 73.4295



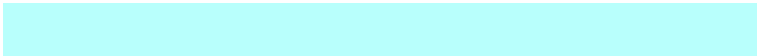
87.5520, 78.1450, 36.9898

Sweetspot

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



52.2713, 78.1455, 97.9180



72.9611, 88.6729, 105.1504



36.2682, 71.7728, 12.3594



15.0588, 18.6940, 22.3917



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.



52.2713, 78.1455, 97.9180



51.9921, 78.0129, 97.3973



28.5995, 28.0490, 98.5144



18.5169, 20.4663, 23.0251



27.1827, 40.7697, 50.9750



2.6573, 3.9739, 5.0193

Inverse Universe

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



41.5738, 21.6459, 2.9095



41.3042, 21.2857, 2.2680



48.3382, 35.3289, 4.6888



18.0430, 18.0005, 18.8435



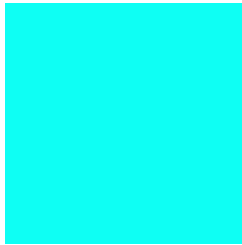
21.5966, 11.1279, 1.2603



2.1141, 1.0880, 0.1821

Previews

White Background



This preview shows how the XYZ color 52.2702, 78.1450, 97.9165 looks on a white background.

Color Contrast Check

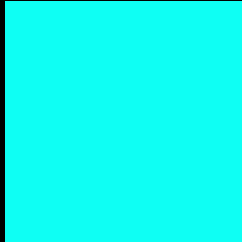
Large Text (above 18pt) WCAG AA × Fail

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 52.2702, 78.1450, 97.9165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

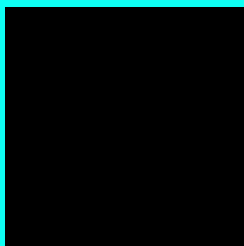
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2702, 78.1450, 97.9165

Background



This preview shows how black text looks on a background with the XYZ color 52.2702, 78.1450, 97.9165.

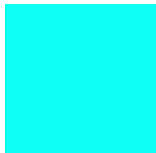


This preview shows how white text looks on a background with the XYZ color 52.2702, 78.1450,

Color Blindness Simulation

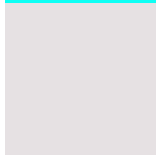
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

52.2702, 78.1450, 97.9165



Protanopia

73.4235, 76.2195, 83.5150



Deuteranopia

78.3522, 76.7457, 102.7793



Tritanopia

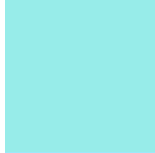
62.9390, 77.4966, 106.2488

Trichromacy



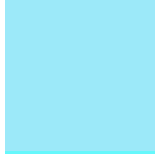
Original Color

52.2702, 78.1450, 97.9165



Protanomaly

57.4659, 72.4534, 88.0469



Deuteranomaly

59.9481, 72.1853, 100.3961



Tritanomaly

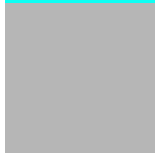
56.1528, 76.3113, 103.0368

Monochromacy



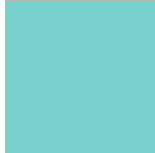
Original Color

52.2702, 78.1450, 97.9165



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

41.7051, 54.0737, 65.9968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2702, 78.1450, 97.9165 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(14, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(14, 255, 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(14, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 255, 244) }
```

Border

The CSS property to change the border of an element to XYZ 52.2702, 78.1450, 97.9165 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(14, 255, 244) }
```


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

```
.border{ border-color:rgb(14, 255, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(14, 255,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2702, 78.1450, 97.9165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 255, 244) }
```

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

```
.background{ background-color: rgb(14, 255,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor