

Converting Colors

XYZ(63.5306, 100.0000,
97.9757)

Have a look what the booklet for
XYZ(63.5306, 100.0000, 97.9757)
contains.

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Color

**XYZ(52.7052, 78.4558,
94.0270)**

Conversions

Conversions Part 1

Format	Color
Hex	33FEEF
RGB	51, 255, 239
RGB Percent	20%, 100%, 94%
CMY	0.7999, 0.0000, 0.0627
CMYK	0.80, 0.00, 0.06, 0.00
HSL	175°, 100%, 60%
HSV	175°, 80%, 100%
XYZ	52.7052, 78.4558, 94.0270
YIQ	192.1800, -116.4480, -48.2240

Conversions

Conversions Part 2

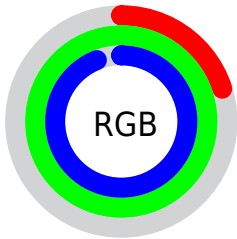
Format	Color
R_{YB}	51, 157, 255
Decimal	3407855
CIE _{Lab}	90.99, -50.37, -5.99
CIE _{LCh}	91, 50.729, 186.786
Yxy	78.4558, 0.2340, 0.3484
Android (android.graphics.Color)	4281597935 (0xFF33FFEF)
YUV	192.1800, 23.0823, -123.8149
Hunter-Lab	88.5753, -48.7934, -0.9365

Details

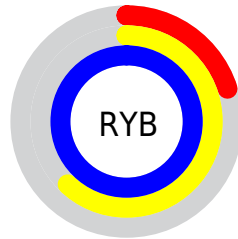
The XYZ color **52.7052, 78.4558, 94.0270** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.4380, 24.0344, 7.6620**, and the grayscale version is **50.1284, 52.7390, 57.4328**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **28.5135, 43.3514, 51.6646** is the 20% darker color. If you saturate the color by 10%, you get **51.4601, 77.8478, 92.4361**, and if you desaturate by 10%, it is **54.6591, 79.4287, 95.6709**.

Distribution



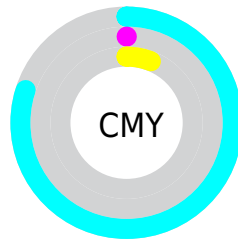
- Red (20%)
- Green (100%)
- Blue (94%)



- Red (20%)
- Yellow (62%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.7052, 78.4558, 94.0270 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 52.7052, 78.4558, 94.0270 by changing the saturation by 10% instead.

 52.7052, 78.4558,
94.0270


 52.7052, 78.4558,
94.0270


387.4325,
489.7134, 561.9499

 37.7940, 58.4485,
70.7330


 93.3385, 131.1925,
154.9037


 25.9993, 42.1693,
51.6438


 119.7914,
164.6906, 193.3234

 16.9558, 29.2339,
36.3410

 150.8221,
203.4544, 237.6222

 10.2981, 19.2578,
24.4059

 186.7962,
247.8684, 288.2185

 5.6608, 11.8567,
15.4200

228.0789,
298.3169, 345.5309

 2.6787, 6.6462,
8.9648

275.0356,

 0.9862, 3.2418,

355.1843, 409.9779

4.6217

328.0317,
418.8550, 481.9780

■ 0.0000, 1.2593,
1.9723

■ 0.0000, 0.1093,
0.5381

■ 52.7052, 78.4558,
94.0270

■ 52.7052, 78.4558,
94.0270

■ 51.4601, 77.8478,
92.4361

■ 54.6591, 79.4287,
95.6709

■ 50.7559, 77.5184,
90.8862

■ 57.4191, 80.8168,
97.3683

■ 50.7555, 77.5182,
90.8853

■ 61.0710, 82.6644,
99.1245

■ 65.6885, 85.0093,
100.9432

71.3377, 87.8857,
102.8275

78.0789, 91.3247,
104.7801

85.9676, 95.3548,
106.8039

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.



54.1625, 78.4558, 60.5475



52.7052, 78.4558, 94.0270



56.5463, 78.4558, 134.9625

Triad

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



52.7052, 78.4558, 94.0270



90.2988, 78.4558, 155.2146



84.6965, 78.4558, 35.6439

Complementary

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



52.7052, 78.4558, 94.0270



43.4380, 24.0344, 7.6620

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.



96.0661, 78.4558, 49.7889



52.7052, 78.4558, 94.0270



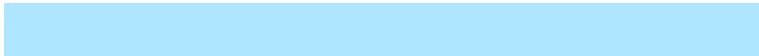
99.5504, 78.4558, 116.3252

Square

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



52.7052, 78.4558, 94.0270



77.5159, 78.4558, 176.2621



101.7733, 78.4558, 77.3644



71.6995, 78.4558, 32.8120

Rectangle

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



52.7052, 78.4558, 94.0270



61.8858, 78.4558, 158.9978



101.7733, 78.4558, 77.3644



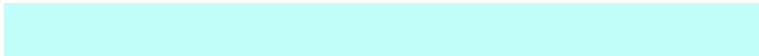
88.8785, 78.4558, 38.9863

Sweetspot

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



52.7063, 78.4563, 94.0285



75.2436, 89.8776, 103.9895



38.7428, 72.9886, 15.1800



15.5980, 18.9788, 22.1095



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.



52.7063, 78.4563, 94.0285



50.9991, 77.6304, 91.5014



33.7919, 36.6761, 99.9059



18.4898, 20.4554, 22.8820



26.5467, 40.5153, 47.6255



2.6023, 3.9518, 4.7294

Inverse Universe

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



43.4380, 24.0344, 7.6620



41.5775, 21.5721, 3.1609



50.6433, 39.1100, 8.0135



18.0672, 18.0102, 18.9709



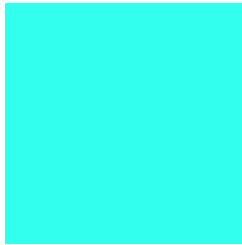
21.6350, 11.1433, 1.4625



2.1255, 1.0926, 0.2424

Previews

White Background



This preview shows how the XYZ color 52.7052, 78.4558, 94.0270 looks on a white background.

Color Contrast Check

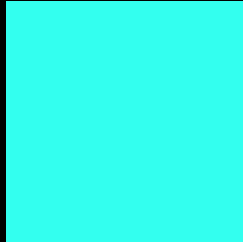
Large Text (above 18pt) WCAG AA × Fail

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 52.7052, 78.4558, 94.0270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

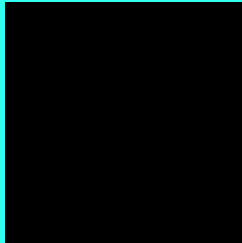
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

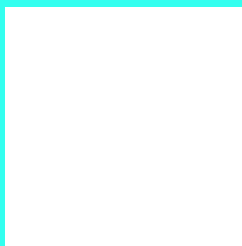
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.7052, 78.4558, 94.0270

Background



This preview shows how black text looks on a background with the XYZ color 52.7052, 78.4558, 94.0270.

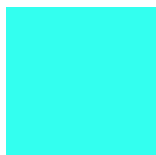


This preview shows how white text looks on a background with the XYZ color 52.7052, 78.4558,

Color Blindness Simulation

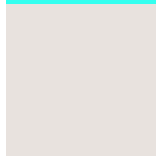
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



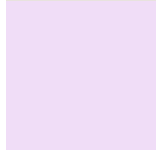
Original Color

52.7052, 78.4558, 94.0270



Protanopia

73.6599, 76.8224, 80.0532



Deuteranopia

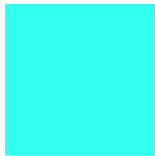
78.5801, 76.9536, 98.7076



Tritanopia

63.5124, 77.7922, 106.2757

Trichromacy



Original Color

52.7052, 78.4558, 94.0270



Protanomaly

60.0137, 74.2768, 84.5726



Deuteranomaly

62.2626, 73.4674, 96.4870



Tritanomaly

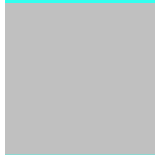
57.8309, 77.2126, 101.4781

Monochromacy



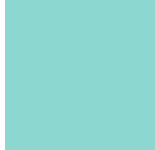
Original Color

52.7052, 78.4558, 94.0270



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

46.7936, 58.8670, 69.2178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7052, 78.4558, 94.0270 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(51, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 239)  
}
```

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(51, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 239) }
```

Border

The CSS property to change the border of an element to XYZ 52.7052, 78.4558, 94.0270 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(51, 255, 239) }
```


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

```
.border{ border-color:rgb(51, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7052, 78.4558, 94.0270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 239) }
```

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

```
.background{ background-color: rgb(51, 255,  
239) }
```

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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