

Converting Colors

XYZ(47.8416, 63.5725,
118.5557)

Have a look what the booklet for
XYZ(47.8416, 63.5725, 118.5557)
contains.

XYZ(45.7934, 62.7068, 104.2978)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.7934, 62.7068,
104.2978)**

Conversions

Conversions Part 1

Format	Color
Hex	00E4FF
RGB	0, 228, 255
RGB Percent	0%, 89%, 100%
CMY	0.9997, 0.1059, 0.0000
CMYK	1.00, 0.11, 0.00, 0.00
HSL	186°, 100%, 50%
HSV	186°, 100%, 100%
XYZ	45.7934, 62.7068, 104.2978
YIQ	162.9060, -144.5550, -39.9390

Conversions

Conversions Part 2

Format	Color
RYB	0, 120, 255
Decimal	58623
CIELab	83.29, -35.99, -25.97
CIELCh	83, 44.379, 215.810
Yxy	62.7068, 0.2152, 0.2947
Android (android.graphics.Color)	4278248703 (0xFF00E4FF)
YUV	162.9060, 45.4023, -142.8686
Hunter-Lab	79.1876, -35.3536, -22.6594

Details

The XYZ color **45.7934, 62.7068, 104.2978** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **41.6340, 22.0474, 2.0634**, and the grayscale version is **34.6213, 36.4243, 39.6661**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **24.9456, 33.5823, 58.5933** is the 20% darker color. If you saturate the color by 10%, you get **45.7920, 62.7040, 104.2973**, and if you desaturate by 10%, it is **46.9583, 64.4201, 104.5671**.

Distribution



- Red (0%)
- Green (89%)
- Blue (100%)



- Red (0%)
- Yellow (47%)
- Blue (100%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7934, 62.7068, 104.2978 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 45.7934, 62.7068, 104.2978 by changing the saturation by 10% instead.

45.7934, 62.7068,
104.2978

45.7934, 62.7068,
104.2978

360.7073,
434.5046, 595.2496

32.2868, 45.6041,
79.2578

83.1395, 108.7464,
169.1541

21.7372, 31.9335,
58.5852

107.7096,
138.4521, 209.8075

13.7795, 21.3107,
41.8615

136.6983,
173.1275, 256.5025

8.0481, 13.3513,
28.6681

170.4709,
213.1570, 309.6576

4.1778, 7.6709,
18.5865

209.3927,
258.9251, 369.6913

1.8032, 3.8851,
11.1981

253.8292,

0.5196, 1.6095,

310.8161, 437.0222

6.0844

304.1456,
369.2145, 512.0688

■ 0.0000, 0.3640,
2.8268

■ 0.0000, 0.0000,
1.0069

■ 45.7934, 62.7068,
104.2978

■ 45.7934, 62.7068,
104.2978

■ 45.7920, 62.7040,
104.2973

■ 46.9583, 64.4201,
104.5671

■ 48.6725, 66.4326,
104.8652

■ 51.1021, 68.8313,
105.2002

■ 54.3476, 71.6682,
105.5767

■ 58.4936, 74.9867,
105.9987

■ 63.6140, 78.8252,
106.4697

■ 69.7748, 83.2177,
106.9928

■ 77.0364, 88.1954,
107.5709

■ 85.4544, 93.7871,
108.2065

Harmonies

Analogous

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



42.9921, 62.7068, 73.7946



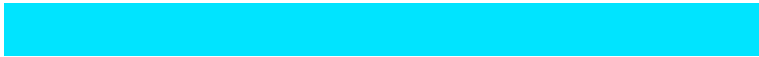
45.7934, 62.7068, 104.2978



52.3214, 62.7068, 129.0740

Triad

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



45.7934, 62.7068, 104.2978



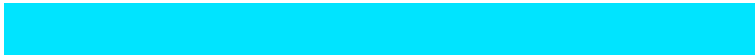
78.1648, 62.7068, 92.4298



57.7437, 62.7068, 27.9020

Complementary

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



45.7934, 62.7068, 104.2978



41.6340, 22.0474, 2.0634

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.



67.5261, 62.7068, 30.3901



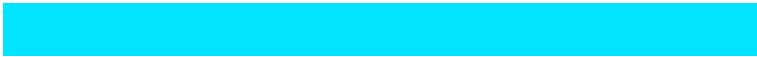
45.7934, 62.7068, 104.2978



80.0158, 62.7068, 63.0416

Square

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



45.7934, 62.7068, 104.2978



71.1211, 62.7068, 121.0290



75.9375, 62.7068, 41.6819



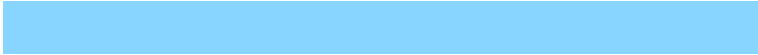
49.3972, 62.7068, 33.6326

Rectangle

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



45.7934, 62.7068, 104.2978



58.2564, 62.7068, 136.1101



75.9375, 62.7068, 41.6819



60.9660, 62.7068, 27.8300

Sweetspot

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



45.7952, 62.7090, 104.2981



69.7548, 83.2037, 106.9912



35.9426, 71.5932, 12.8767



14.3467, 17.3979, 22.8519



0.0000, 0.0000, 0.0000



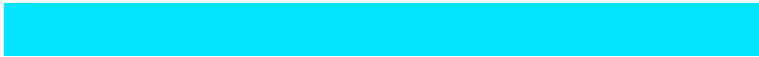
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.7952, 62.7090, 104.2981



45.7920, 62.7040, 104.2973



22.8068, 16.7322, 96.6353



18.3809, 20.1333, 23.1673



23.9937, 32.8970, 54.5197



2.3814, 3.2935, 5.3235

Inverse Universe

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



55.2448, 26.8633, 75.6744



55.2429, 26.8612, 75.6682



52.6366, 44.0526, 5.7309



18.7049, 18.2653, 22.3291



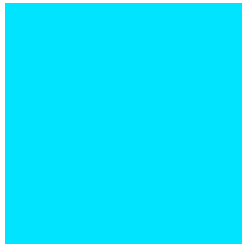
28.8991, 14.0489, 39.7147



2.8366, 1.3770, 3.9870

Previews

White Background



This preview shows how the XYZ color 45.7934, 62.7068, 104.2978 looks on a white background.

Color Contrast Check

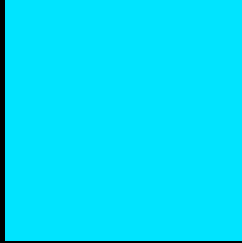
Large Text (above 18pt) WCAG AA × Fail

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 45.7934, 62.7068, 104.2978 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 45.7934, 62.7068, 104.2978

Background



This preview shows how black text looks on a background with the XYZ color 45.7934, 62.7068, 104.2978.

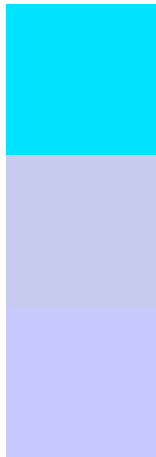


This preview shows how white text looks on a background with the XYZ color 45.7934, 62.7068,

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

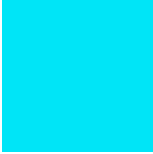
45.7934, 62.7068, 104.2978

Protanopia

60.7260, 61.5598, 90.3430

Deuteranopia

62.4592, 61.4668, 103.1801



Tritanopia

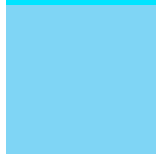
44.8078, 62.7540, 97.7468

Trichromacy



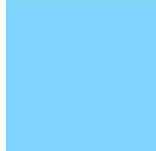
Original Color

45.7934, 62.7068, 104.2978



Protanomaly

49.0281, 58.6931, 95.1310



Deuteranomaly

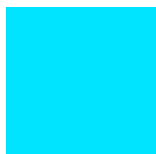
49.9485, 58.2442, 103.2174



Tritanomaly

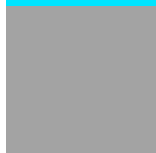
45.2746, 62.9408, 100.2050

Monochromacy



Original Color

45.7934, 62.7068, 104.2978



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

33.4430, 42.4692, 58.6593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7934, 62.7068, 104.2978 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, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 228, 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(0, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.7934, 62.7068, 104.2978 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, 228, 255) }
```


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

```
.border{ border-color:rgb(0, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7934, 62.7068, 104.2978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 228, 255) }
```

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

```
.background{ background-color: rgb(0, 228,  
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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