

Converting Colors

XYZ(45.8910, 63.7683, 78.2433)

Have a look what the booklet for
XYZ(45.8910, 63.7683, 78.2433)
contains.

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Color

**XYZ(45.8943, 63.7459,
78.2919)**

Conversions

Conversions Part 1

Format	Color
Hex	60E5DD
RGB	96, 229, 221
RGB Percent	38%, 90%, 87%
CMY	0.6235, 0.1019, 0.1333
CMYK	0.58, 0.00, 0.03, 0.10
HSL	176°, 72%, 64%
HSV	176°, 58%, 90%
XYZ	45.8943, 63.7459, 78.2919
YIQ	188.3210, -76.7000, -30.6840

Conversions

Conversions Part 2

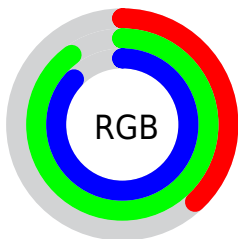
Format	Color
RYB	96, 165, 229
Decimal	6350301
CIELab	83.83, -38.05, -7.05
CIELCh	84, 38.701, 190.497
Yxy	63.7459, 0.2442, 0.3392
Android (android.graphics.Color)	4284540381 (0xFF60E5DD)
YUV	188.3210, 16.1107, -80.9655
Hunter-Lab	79.8410, -37.1163, -2.2509

Details

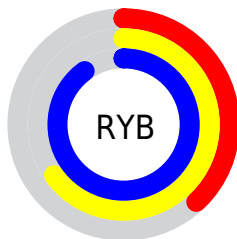
The XYZ color **45.8943, 63.7459, 78.2919** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **38.9968, 26.0251, 16.0668**, and the grayscale version is **47.9267, 50.4226, 54.9103**.

A 20% lighter version of the original color is **67.9106, 86.0091, 107.6299**, and **21.8265, 32.6403, 41.2262** is the 20% darker color. If you saturate the color by 10%, you get **43.6445, 62.6087, 77.2335**, and if you desaturate by 10%, it is **48.8510, 65.2503, 79.3940**.

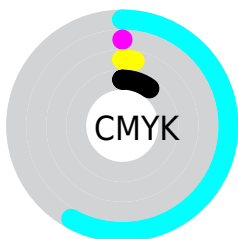
Distribution



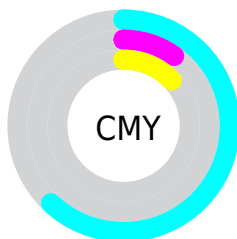
- Red (38%)
- Green (90%)
- Blue (87%)



- Red (38%)
- Yellow (65%)
- Blue (90%)



- Cyan (58%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)





- Cyan (62%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8943, 63.7459, 78.2919 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 45.8943, 63.7459, 78.2919 by changing the saturation by 10% instead.


 45.8943, 63.7459,
78.2919

 45.8943, 63.7459,
78.2919


361.1066,
438.2715, 508.7117


 32.3667, 46.4449,
57.7959


 83.2896, 110.2449,
132.7511


 21.7986, 32.5970,
41.2310


 107.8880,
140.2117, 167.5515

 13.8248, 21.8179,
28.1786

 136.9074,
175.1692, 207.9570

 8.0798, 13.7232,
18.2201

 170.7132,
215.5019, 254.3863

 4.1983, 7.9284,
10.9370

209.6706,
261.5940, 307.2579

 1.8149, 4.0492,
5.9109

254.1451,

 0.5266, 1.7011,

313.8301, 366.9903

2.7231

304.5020,
372.5944, 434.0021

■ 0.0000, 0.4244,
0.9550

■ 0.0000, 0.0000,
0.0000

■ 45.8943, 63.7459,
78.2919

■ 45.8943, 63.7459,
78.2919

■ 43.6445, 62.6087,
77.2335

■ 48.8510, 65.2503,
79.3940

■ 42.0330, 61.7989,
76.2115


■ 52.5641, 67.1430,
80.5380


■ 40.9877, 61.2808,
75.2238


■ 57.0856, 69.4523,
81.7278


■ 40.4043, 61.0007,
74.2655


■ 62.4607, 72.2014,
82.9654


 40.3151, 60.9586,
74.0831

 68.7319, 75.4123,
84.2529

 75.9384, 79.1053,
85.5921

 83.6343, 83.0503,
86.9622

 83.8293, 83.1283,
87.9892

 84.0259, 83.2069,
89.0244

Harmonies

Analogous

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



46.4486, 63.7459, 54.9219



45.8943, 63.7459, 78.2919



48.9882, 63.7459, 104.4675

Triad

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



45.8943, 63.7459, 78.2919



71.8368, 63.7459, 111.4447



66.2118, 63.7459, 33.9695

Complementary

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



45.8943, 63.7459, 78.2919



38.9968, 26.0251, 16.0668

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.



73.8894, 63.7459, 43.2281



45.8943, 63.7459, 78.2919



77.3412, 63.7459, 86.2416

Square

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



45.8943, 63.7459, 78.2919



63.6158, 63.7459, 126.3697



78.1257, 63.7459, 61.2237



57.6589, 63.7459, 32.8015

Rectangle

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



45.8943, 63.7459, 78.2919



52.8893, 63.7459, 118.6488



78.1257, 63.7459, 61.2237



69.0010, 63.7459, 36.1152

Sweetspot

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



45.8962, 63.7484, 78.2934



80.4434, 92.5182, 106.0393



35.9426, 59.8809, 20.7315



16.8973, 19.6385, 22.6271



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.



45.8962, 63.7484, 78.2934



55.1490, 79.6245, 98.2576



33.6010, 37.4107, 79.5815



14.7680, 16.3206, 18.3092



23.0656, 34.8583, 42.4414



1.7159, 2.5805, 3.1965

Inverse Universe

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



38.9968, 26.0251, 16.0668



45.5891, 27.1901, 11.9137



45.9219, 40.4952, 16.4637



14.4120, 14.3820, 15.1039



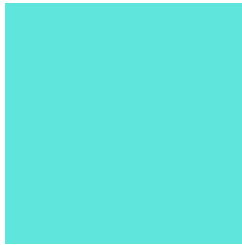
18.5340, 9.5478, 1.1748



1.3821, 0.7105, 0.1524

Previews

White Background



This preview shows how the XYZ color 45.8943, 63.7459, 78.2919 looks on a white background.

Color Contrast Check

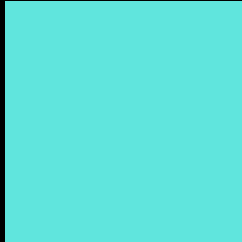
Large Text (above 18pt) WCAG AA × Fail

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 45.8943, 63.7459, 78.2919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

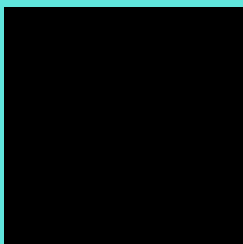
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

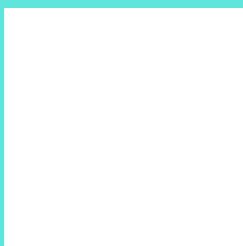
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.8943, 63.7459, 78.2919

Background



This preview shows how black text looks on a background with the XYZ color 45.8943, 63.7459, 78.2919.

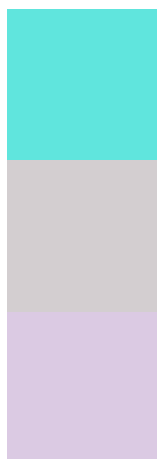


This preview shows how white text looks on a background with the XYZ color 45.8943, 63.7459,

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

45.8943, 63.7459, 78.2919

Protanopia

60.3204, 62.5456, 68.5678

Deuteranopia

64.1991, 62.8472, 81.4201



Tritanopia

49.3512, 63.9276, 95.3261

Trichromacy



Original Color

45.8943, 63.7459, 78.2919



Protanomaly

52.4190, 61.3322, 72.0263



Deuteranomaly

54.5896, 61.5219, 80.2319



Tritanomaly

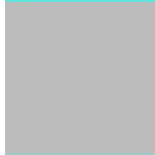
48.0889, 63.8191, 89.1406

Monochromacy



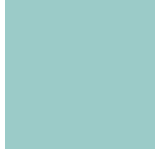
Original Color

45.8943, 63.7459, 78.2919



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

45.2988, 53.8506, 62.6503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8943, 63.7459, 78.2919 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(96, 229, 221)` looks like.

```
.text, #text, p{  
    color:rgb(96, 229, 221)  
}
```

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(96, 229, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 229, 221) }
```

Border

The CSS property to change the border of an element to XYZ 45.8943, 63.7459, 78.2919 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(96, 229, 221) }
```


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

```
.border{ border-color:rgb(96, 229, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 229, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 229, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 229, 221);  
box-shadow:4px 4px 4px 4px rgb(96, 229,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8943, 63.7459, 78.2919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 229, 221) }
```

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

```
.background{ background-color: rgb(96, 229,  
221) }
```

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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