

Converting Colors

XYZ(45.2116, 62.1412, 77.6779)

Have a look what the booklet for
XYZ(45.2116, 62.1412, 77.6779)
contains.

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Color

**XYZ(45.2845, 62.2098,
78.0276)**

Conversions

Conversions Part 1

Format	Color
Hex	62E2DD
RGB	98, 226, 221
RGB Percent	38%, 89%, 87%
CMY	0.6157, 0.1137, 0.1333
CMYK	0.57, 0.00, 0.02, 0.11
HSL	178°, 69%, 64%
HSV	178°, 57%, 89%
XYZ	45.2845, 62.2098, 78.0276
YIQ	187.1580, -74.6830, -28.6910

Conversions

Conversions Part 2

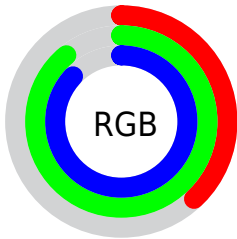
Format	Color
R_{YB}	98, 163, 226
Decimal	6480605
CIE _{Lab}	83.02, -36.31, -8.24
CIE _{LCh}	83, 37.238, 192.788
Yxy	62.2098, 0.2441, 0.3353
Android (android.graphics.Color)	4284670685 (0xFF62E2DD)
YUV	187.1580, 16.6841, -78.1916
Hunter-Lab	78.8732, -35.5435, -3.4431

Details

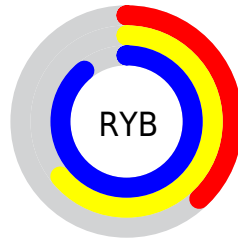
The XYZ color **45.2845, 62.2098, 78.0276** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **38.1820, 25.8853, 15.8180**, and the grayscale version is **47.2640, 49.7254, 54.1510**.

A 20% lighter version of the original color is **68.1081, 86.1109, 107.6391**, and **21.4093, 31.5808, 41.0437** is the 20% darker color. If you saturate the color by 10%, you get **43.0648, 61.0805, 77.3124**, and if you desaturate by 10%, it is **48.1968, 63.6990, 78.7812**.

Distribution



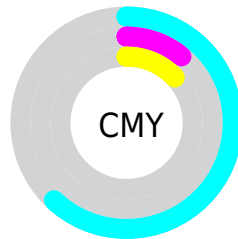
- Red (38%)
- Green (89%)
- Blue (87%)



- Red (38%)
- Yellow (64%)
- Blue (89%)



- Cyan (57%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)



- Cyan (62%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2845, 62.2098, 78.0276 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 45.2845, 62.2098, 78.0276 by changing the saturation by 10% instead.

45.2845, 62.2098,
78.0276

45.2845, 62.2098,
78.0276

358.6889,
432.6960, 507.7910

31.8838, 45.2022,
57.5801

82.3816, 108.0287,
132.3753

21.4279, 31.6168,
41.0587

106.8087,
137.6088, 167.1125

13.5514, 21.0689,
28.0449

135.6421,
172.1486, 207.4500

7.8889, 13.1744,
18.1202

169.2469,
212.0324, 253.8063

4.0752, 7.5488,
10.8660

207.9887,
257.6447, 306.6000

1.7447, 3.8076,
5.8637

252.2327,

0.4840, 1.5665,

309.3697, 366.2497

2.6950

302.3443,
367.5920, 433.1738

■ 0.0000, 0.3349,
0.9409

■ 0.0000, 0.0000,
0.0000

■ 45.2845, 62.2098,
78.0276

■ 45.2845, 62.2098,
78.0276

■ 43.0648, 61.0805,
77.3124

■ 48.1968, 63.6990,
78.7812

■ 41.4725, 60.2731,
76.6284


■ 51.8489, 65.5680,
79.5713

■ 40.4398, 59.7542,
75.9738


■ 56.2901, 67.8437,
80.4016


■ 39.8780, 59.4779,
75.3445


■ 61.5641, 70.5487,
81.2741


 39.7441, 59.4133,
75.1360

 67.7112, 73.7037,
82.1906

 74.7693, 77.3283,
83.1531

 82.3278, 81.2108,
84.1423

 82.4502, 81.2598,
84.7867

 82.5732, 81.3090,
85.4345

Harmonies

Analogous

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



45.5438, 62.2098, 55.4496



45.2845, 62.2098, 78.0276



48.4832, 62.2098, 102.5234

Triad

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



45.2845, 62.2098, 78.0276



70.2762, 62.2098, 105.7451



63.8270, 62.2098, 33.6077

Complementary

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



45.2845, 62.2098, 78.0276



38.1820, 25.8853, 15.8180

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.



71.2281, 62.2098, 41.8694



45.2845, 62.2098, 78.0276



75.1771, 62.2098, 81.7150

Square

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



45.2845, 62.2098, 78.0276



62.6207, 62.2098, 120.8018



75.5405, 62.2098, 58.3915



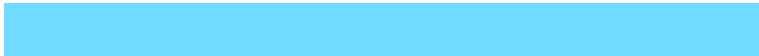
55.7687, 62.2098, 33.0559

Rectangle

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



45.2845, 62.2098, 78.0276



52.3305, 62.2098, 115.2909



75.5405, 62.2098, 58.3915



66.4912, 62.2098, 35.4714

Sweetspot

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



45.2863, 62.2122, 78.0291



80.5890, 92.5765, 106.8058



35.1584, 58.2440, 20.9460



16.9321, 19.6524, 22.8103



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.



45.2863, 62.2122, 78.0291



56.1830, 80.0872, 101.4864



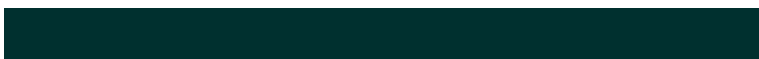
32.8431, 36.2431, 77.2187



14.0922, 15.5626, 17.5209



22.6839, 33.8984, 42.9201



1.5796, 2.3526, 3.0135

Inverse Universe

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



38.1820, 25.8853, 15.8180



46.0043, 27.9453, 12.2837



45.3923, 40.6958, 17.0194



13.7288, 13.7092, 14.3422



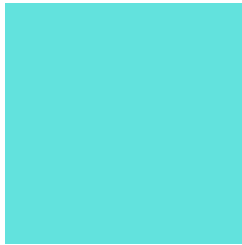
17.9309, 9.2393, 1.0358



1.2506, 0.6435, 0.1127

Previews

White Background



This preview shows how the XYZ color 45.2845, 62.2098, 78.0276 looks on a white background.

Color Contrast Check

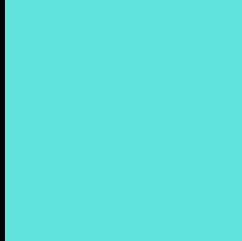
Large Text (above 18pt) WCAG AA × Fail

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 45.2845, 62.2098, 78.0276 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

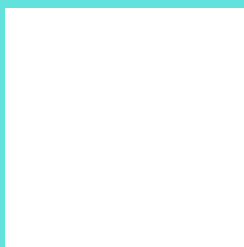
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.2845, 62.2098, 78.0276

Background



This preview shows how black text looks on a background with the XYZ color 45.2845, 62.2098, 78.0276.

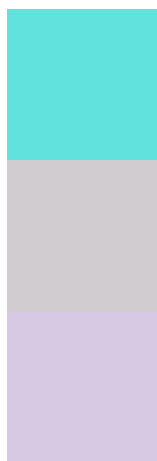


This preview shows how white text looks on a background with the XYZ color 45.2845, 62.2098,

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

45.2845, 62.2098, 78.0276

Protanopia

58.9905, 61.1497, 68.3684

Deuteranopia

62.5437, 61.3017, 81.2090



Tritanopia

48.2087, 62.1904, 92.6822

Trichromacy



Original Color

45.2845, 62.2098, 78.0276



Protanomaly

51.7022, 60.2159, 71.8486



Deuteranomaly

53.4043, 59.8078, 79.9635



Tritanomaly

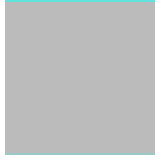
47.1005, 62.1354, 87.3528

Monochromacy



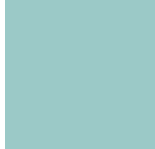
Original Color

45.2845, 62.2098, 78.0276



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.7130, 52.8654, 61.8802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2845, 62.2098, 78.0276 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(98, 226, 221)` looks like.

```
.text, #text, p{  
    color:rgb(98, 226, 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(98, 226, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 226, 221) }
```

Border

The CSS property to change the border of an element to XYZ 45.2845, 62.2098, 78.0276 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(98, 226, 221) }
```


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

```
.border{ border-color:rgb(98, 226, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 226, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 226, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 226, 221);  
box-shadow:4px 4px 4px 4px rgb(98, 226,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2845, 62.2098, 78.0276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 226, 221) }
```

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

```
.background{ background-color: rgb(98, 226,  
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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