

Converting Colors

XYZ(29.8078, 45.7197, 52.7752)

Have a look what the booklet for
XYZ(29.8078, 45.7197, 52.7752)
contains.

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Color

**XYZ(29.7723, 45.7018,
52.5996)**

Conversions

Conversions Part 1

Format	Color
Hex	00CAB8
RGB	0, 202, 184
RGB Percent	0%, 79%, 72%
CMY	0.9999, 0.2078, 0.2784
CMYK	1.00, 0.00, 0.09, 0.21
HSL	175°, 100%, 40%
HSV	175°, 100%, 79%
XYZ	29.7723, 45.7018, 52.5996
YIQ	139.5500, -114.6140, -48.4220

Conversions

Conversions Part 2

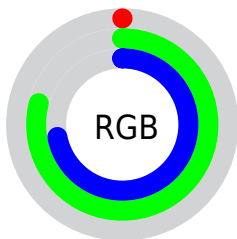
Format	Color
RYB	0, 106, 202
Decimal	51896
CIELab	73.35, -45.57, -2.87
CIELCh	73, 45.658, 183.610
Yxy	45.7018, 0.2325, 0.3568
Android (android.graphics.Color)	4278241976 (0xFF00CAB8)
YUV	139.5500, 21.9138, -122.3854
Hunter-Lab	67.6031, -39.6943, 1.1907

Details

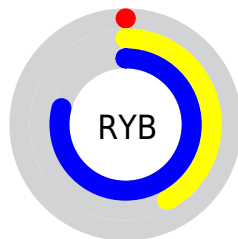
The XYZ color **29.7723, 45.7018, 52.5996** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **24.4679, 12.6016, 1.7167**, and the grayscale version is **24.7074, 25.9941, 28.3076**.

A 20% lighter version of the original color is **57.1971, 80.7543, 95.0106**, and **14.5305, 22.5061, 25.0510** is the 20% darker color. If you saturate the color by 10%, you get **29.7728, 45.7031, 52.5988**, and if you desaturate by 10%, it is **30.2565, 45.9305, 53.6149**.

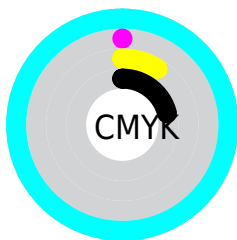
Distribution



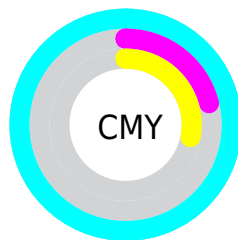
- Red (0%)
- Green (79%)
- Blue (72%)



- Red (0%)
- Yellow (42%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (21%)



- Cyan (100%)
- Magenta (21%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7723, 45.7018, 52.5996 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 29.7723, 45.7018, 52.5996 by changing the saturation by 10% instead.


 29.7723, 45.7018,
52.5996


 29.7723, 45.7018,
52.5996


292.7706,
369.6085, 413.7697


 19.8130, 32.0106,
37.0977


 58.6910, 83.7725,
95.4505

 12.3667, 21.3696,
24.9868


 78.3811, 108.9208,
123.6366


 7.0679, 13.3944,
15.8483


 102.0456,
138.6569, 156.8878

 3.5513, 7.7007,
9.2637

 130.0498,
173.3653, 195.6226

 1.4516, 3.9040,
4.8144

 162.7590,
213.4302, 240.2597

 0.2925, 1.6200,
2.0819

200.5387,

 0.0000, 0.3710,

259.2361, 291.2176

0.6050

243.7541,
311.1674, 348.9147

■ 0.0000, 0.0000,
0.0000

■ 29.7723, 45.7018,
52.5996

■ 29.7723, 45.7018,
52.5996

■ 29.7728, 45.7031,
52.5988

■ 30.2565, 45.9305,
53.6149

■ 31.0478, 46.3162,
54.6562

■ 32.2527, 46.9149,
55.7294

■ 33.9272, 47.7553,
56.8373

■ 36.1186, 48.8619,
57.9821

■ 38.8683, 50.2561,
59.1658

■ 42.2136, 51.9570,
60.3902

■ 46.1885, 53.9823,
61.6569

■ 50.8245, 56.3480,
62.9674

Harmonies

Analogous

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



31.0169, 45.7018, 32.5727



29.7723, 45.7018, 52.5996



31.8005, 45.7018, 78.4898

Triad

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



29.7723, 45.7018, 52.5996



52.5631, 45.7018, 96.4525



50.6730, 45.7018, 19.7191

Complementary

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



29.7723, 45.7018, 52.5996



24.4679, 12.6016, 1.7167

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.



57.6164, 45.7018, 29.0688



29.7723, 45.7018, 52.5996



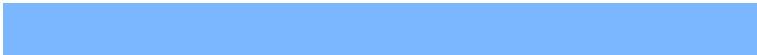
58.7987, 45.7018, 72.1315

Square

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



29.7723, 45.7018, 52.5996



44.4182, 45.7018, 108.2665



60.7525, 45.7018, 47.0274



42.4727, 45.7018, 17.3782

Rectangle

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



29.7723, 45.7018, 52.5996



34.9023, 45.7018, 94.5511



60.7525, 45.7018, 47.0274



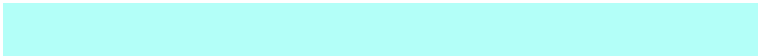
53.2634, 45.7018, 21.9667

Sweetspot

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



29.7736, 45.7035, 52.6007



71.2065, 87.8328, 102.1550



21.4148, 42.3938, 7.0552



14.6999, 18.5245, 21.6742



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.



29.7736, 45.7035, 52.6007



50.3641, 77.3616, 88.8240



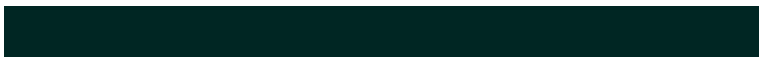
17.5253, 17.9922, 58.4282



11.4985, 12.7091, 14.1823



19.1748, 29.4152, 33.9352



1.0021, 1.5227, 1.8188

Inverse Universe

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



24.4679, 12.6016, 1.7167



41.3919, 21.3208, 2.7301



27.2875, 18.4158, 2.1175



11.2523, 11.2296, 11.8630



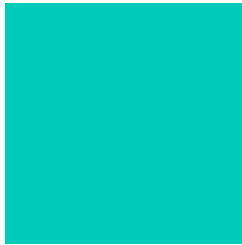
15.7581, 8.1138, 1.1791



0.8273, 0.4243, 0.1362

Previews

White Background



This preview shows how the XYZ color 29.7723, 45.7018, 52.5996 looks on a white background.

Color Contrast Check

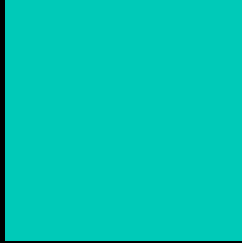
Large Text (above 18pt) WCAG AA × Fail

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 29.7723, 45.7018, 52.5996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

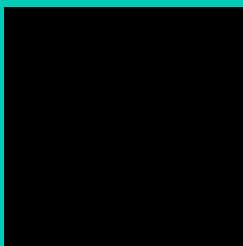
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

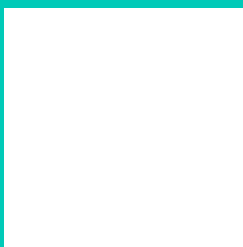
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7723, 45.7018, 52.5996

Background



This preview shows how black text looks on a background with the XYZ color 29.7723, 45.7018, 52.5996.

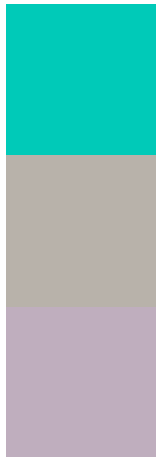


This preview shows how white text looks on a background with the XYZ color 29.7723, 45.7018,

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

29.7723, 45.7018, 52.5996

Protanopia

42.9433, 44.9334, 44.4399

Deuteranopia

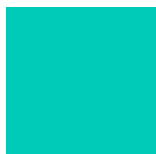
45.9162, 45.0662, 54.9938



Tritanopia

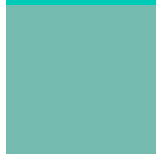
33.6471, 45.9213, 70.7086

Trichromacy



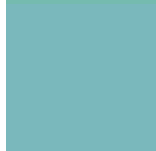
Original Color

29.7723, 45.7018, 52.5996



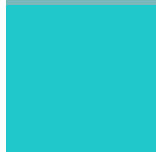
Protanomaly

32.8443, 42.4177, 47.0138



Deuteranomaly

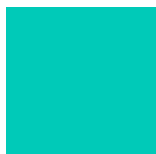
34.2436, 42.0494, 53.8885



Tritanomaly

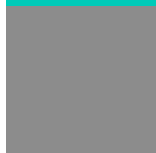
31.7986, 45.4657, 63.5997

Monochromacy



Original Color

29.7723, 45.7018, 52.5996



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

23.2178, 30.7185, 36.1581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7723, 45.7018, 52.5996 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, 202, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 184)  
}
```

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, 202, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 184) }
```

Border

The CSS property to change the border of an element to XYZ 29.7723, 45.7018, 52.5996 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, 202, 184) }
```


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

```
.border{ border-color:rgb(0, 202, 184) }
```

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

Here you see how a box with a 4 pixel rgb(0, 202, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7723, 45.7018, 52.5996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 202, 184) }
```

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

```
.background{ background-color: rgb(0, 202,  
184) }
```

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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