

Converting Colors

XYZ(25.7103, 42.5103, 62.0785)

Have a look what the booklet for
XYZ(25.7103, 42.5103, 62.0785)
contains.

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Color

**XYZ(30.9660, 45.0639,
62.3245)**

Conversions

Conversions Part 1

Format	Color
Hex	00C7C9
RGB	0, 199, 201
RGB Percent	0%, 78%, 79%
CMY	0.9998, 0.2196, 0.2118
CMYK	1.00, 0.01, 0.00, 0.21
HSL	181°, 100%, 39%
HSV	181°, 100%, 79%
XYZ	30.9660, 45.0639, 62.3245
YIQ	139.7270, -119.2460, -41.5660

Conversions

Conversions Part 2

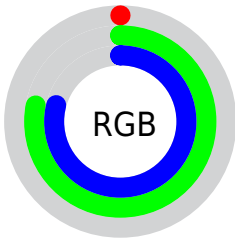
Format	Color
RYB	0, 100, 201
Decimal	51145
CIELab	72.93, -39.29, -12.72
CIELCh	73, 41.297, 197.946
Yxy	45.0639, 0.2238, 0.3257
Android (android.graphics.Color)	4278241225 (0xFF00C7C9)
YUV	139.7270, 30.2076, -122.5406
Hunter-Lab	67.1297, -35.1373, -8.0553

Details

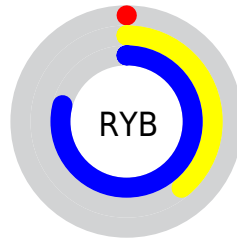
The XYZ color **30.9660, 45.0639, 62.3245** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **24.1101, 12.4620, 1.1358**, and the grayscale version is **24.7462, 26.0349, 28.3520**.

A 20% lighter version of the original color is **59.6357, 81.7433, 107.2426**, and **15.2397, 22.0531, 31.0572** is the 20% darker color. If you saturate the color by 10%, you get **30.9668, 45.0651, 62.3255**, and if you desaturate by 10%, it is **31.3042, 45.3076, 62.3545**.

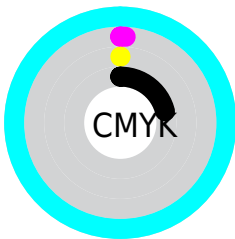
Distribution



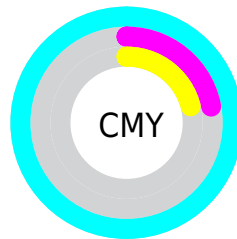
- Red (0%)
- Green (78%)
- Blue (79%)



- Red (0%)
- Yellow (39%)
- Blue (79%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (21%)





- Cyan (100%)
- Magenta (22%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9660, 45.0639, 62.3245 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 30.9660, 45.0639, 62.3245 by changing the saturation by 10% instead.


 30.9660, 45.0639,
62.3245

 30.9660, 45.0639,
62.3245


298.2113,
367.0323, 451.1541

 20.7247, 31.5078,
44.8575


 60.5627, 82.8163,
109.7705


 13.0342, 20.9858,
31.0030


 80.6489, 107.7813,
140.5866

 7.5293, 13.1136,
20.3427


 104.7473,
137.3181, 176.6895

 3.8445, 7.5068,
12.4578

 133.2233,
171.8111, 218.4976

 1.6145, 3.7810,
6.9300

 166.4424,
211.6446, 266.4296

 0.4019, 1.5518,
3.3406

204.7699,

 0.0000, 0.3248,

257.2030, 320.9040

1.2711

248.5711,
308.8708, 382.3393

■ 0.0000, 0.0000,
0.0379

■ 0.0000, 0.0000,
0.0000

■ 30.9660, 45.0639,
62.3245

■ 30.9660, 45.0639,
62.3245

■ 30.9668, 45.0651,
62.3255

■ 31.3042, 45.3076,
62.3545

■ 31.9434, 45.7055,
62.3977

■ 32.9892, 46.3131,
62.4598

■ 34.4969, 47.1589,
62.5436

■ 36.5131, 48.2670,
62.6512

■ 39.0788, 49.6584,
62.7846

■ 42.2307, 51.3522,
62.9454

■ 46.0026, 53.3656,
63.1352

■ 50.4254, 55.7147,
63.3555

Harmonies

Analogous

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



30.6703, 45.0639, 41.2448



30.9660, 45.0639, 62.3245



34.2125, 45.0639, 84.7837

Triad

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



30.9660, 45.0639, 62.3245



53.9547, 45.0639, 80.7013



45.7882, 45.0639, 19.6110

Complementary

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



30.9660, 45.0639, 62.3245



24.1101, 12.4620, 1.1358

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.



52.7895, 45.0639, 25.1240



30.9660, 45.0639, 62.3245



57.8461, 45.0639, 57.8204

Square

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



30.9660, 45.0639, 62.3245



47.2404, 45.0639, 97.2727



57.3973, 45.0639, 37.8369



38.7065, 45.0639, 20.1889

Rectangle

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



30.9660, 45.0639, 62.3245



37.8416, 45.0639, 95.7471



57.3973, 45.0639, 37.8369



48.2427, 45.0639, 20.7314

Sweetspot

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



30.9674, 45.0656, 62.3256



72.0428, 87.7798, 107.7539



20.8877, 41.7743, 6.9635



14.9034, 18.5113, 23.0375



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.



30.9674, 45.0656, 62.3256



53.0063, 77.1327, 106.7021



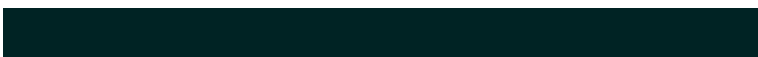
15.1505, 13.4319, 57.0533



10.9373, 12.0488, 13.6667



19.4747, 28.3434, 39.1888



0.9251, 1.3480, 1.8566

Inverse Universe

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



34.3973, 16.5422, 55.4146



58.8844, 28.3177, 94.8439



28.6952, 21.6323, 2.6642



11.0784, 10.8147, 13.3961



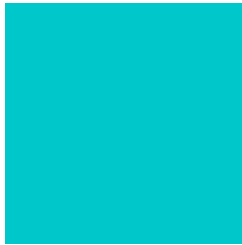
21.6293, 10.4013, 34.8533



1.0256, 0.4931, 1.6582

Previews

White Background



This preview shows how the XYZ color 30.9660, 45.0639, 62.3245 looks on a white background.

Color Contrast Check

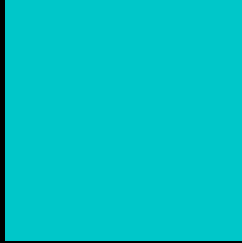
Large Text (above 18pt) WCAG AA × Fail

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 30.9660, 45.0639, 62.3245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

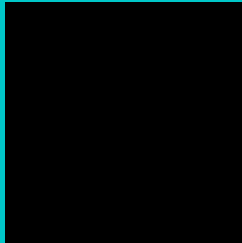
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

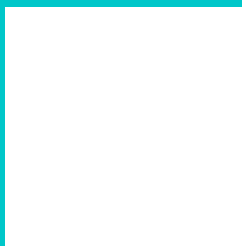
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9660, 45.0639, 62.3245

Background



This preview shows how black text looks on a background with the XYZ color 30.9660, 45.0639, 62.3245.



This preview shows how white text looks on a background with the XYZ color 30.9660, 45.0639,

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

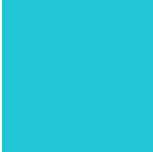
30.9660, 45.0639, 62.3245

Protanopia

43.0519, 44.4971, 53.3334

Deuteranopia

45.2621, 44.2159, 65.1804



Tritanopia

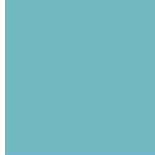
32.6362, 45.0767, 69.9314

Trichromacy



Original Color

30.9660, 45.0639, 62.3245



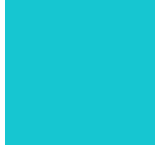
Protanomaly

33.6734, 42.0144, 56.2040



Deuteranomaly

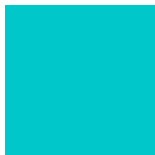
34.8176, 41.5085, 63.9345



Tritanomaly

32.0336, 45.1622, 67.3504

Monochromacy



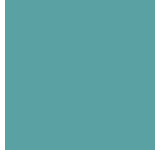
Original Color

30.9660, 45.0639, 62.3245



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

23.3863, 30.2222, 38.7833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9660, 45.0639, 62.3245 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, 199, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 201)  
}
```

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, 199, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 201) }
```

Border

The CSS property to change the border of an element to XYZ 30.9660, 45.0639, 62.3245 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, 199, 201) }
```


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

```
.border{ border-color:rgb(0, 199, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9660, 45.0639, 62.3245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 201) }
```

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

```
.background{ background-color: rgb(0, 199,  
201) }
```

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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