

Converting Colors

XYZ(32.8457, 49.6583, 60.3763)

Have a look what the booklet for
XYZ(32.8457, 49.6583, 60.3763)
contains.

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Color

**XYZ(32.7643, 49.5865,
60.0688)**

Conversions

Conversions Part 1

Format	Color
Hex	00D1C4
RGB	0, 209, 196
RGB Percent	0%, 82%, 77%
CMY	0.9998, 0.1804, 0.2314
CMYK	1.00, 0.00, 0.06, 0.18
HSL	176°, 100%, 41%
HSV	176°, 100%, 82%
XYZ	32.7643, 49.5865, 60.0688
YIQ	145.0270, -120.3910, -48.3510

Conversions

Conversions Part 2

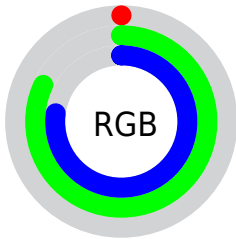
Format	Color
RYB	0, 108, 209
Decimal	53700
CIELab	75.81, -45.17, -5.73
CIELCh	76, 45.532, 187.229
Yxy	49.5865, 0.2301, 0.3482
Android (android.graphics.Color)	4278243780 (0xFF00D1C4)
YUV	145.0270, 25.1297, -127.1887
Hunter-Lab	70.4177, -40.1775, -1.2841

Details

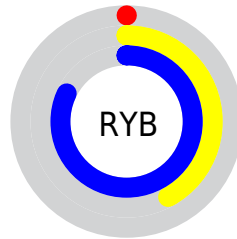
The XYZ color **32.7643, 49.5865, 60.0688** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **26.3688, 13.5859, 1.6148**, and the grayscale version is **26.8666, 28.2658, 30.7814**.

A 20% lighter version of the original color is **59.5530, 81.7376, 105.5667**, and **16.4381, 25.0642, 29.5627** is the 20% darker color. If you saturate the color by 10%, you get **32.7649, 49.5880, 60.0683**, and if you desaturate by 10%, it is **33.2220, 49.8064, 60.8675**.

Distribution



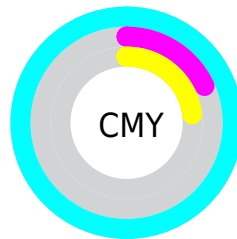
- Red (0%)
- Green (82%)
- Blue (77%)



- Red (0%)
- Yellow (42%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7643, 49.5865, 60.0688 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 32.7643, 49.5865, 60.0688 by changing the saturation by 10% instead.


 32.7643, 49.5865,
60.0688


 32.7643, 49.5865,
60.0688


306.2701,
385.0467, 442.6630

 22.1043, 35.0850,
43.0484


 63.3645, 89.5619,
106.4738


 14.0506, 23.7283,
29.5914


 84.0355, 115.8046,
136.6955


 8.2378, 15.1322,
19.2793


 108.7741,
146.7297, 172.1548

 4.3006, 8.9122,
11.6934

 137.9458,
182.7218, 213.2701

 1.8735, 4.6840,
6.4153

 171.9159,
224.1651, 260.4601

 0.5614, 2.0631,
3.0264

211.0497,

 0.0000, 0.6437,

271.4441, 314.1432

1.1081

255.7127,
324.9432, 374.7380

■ 0.0000, 0.0000,
0.0000

■ 32.7643, 49.5865,
60.0688

■ 32.7643, 49.5865,
60.0688

■ 32.7649, 49.5880,
60.0683

■ 33.2220, 49.8064,
60.8675

■ 34.0124, 50.1965,
61.6873

■ 35.2488, 50.8164,
62.5348

■ 36.9922, 51.6976,
63.4127

■ 39.2941, 52.8664,
64.3235

■ 42.1995, 54.3463,
65.2694

■ 45.7489, 56.1581,
66.2522

■ 49.9795, 58.3208,
67.2736

■ 54.9253, 60.8520,
68.3354

Harmonies

Analogous

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



33.6659, 49.5865, 37.8924



32.7643, 49.5865, 60.0688



35.3284, 49.5865, 87.3671

Triad

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



32.7643, 49.5865, 60.0688



57.6733, 49.5865, 100.2299



53.7112, 49.5865, 21.4195

Complementary

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



32.7643, 49.5865, 60.0688



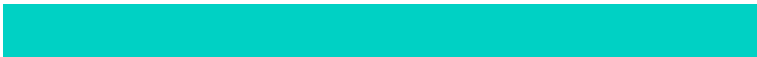
26.3688, 13.5859, 1.6148

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.



61.3057, 49.5865, 30.4253



32.7643, 49.5865, 60.0688



63.7775, 49.5865, 74.1050

Square

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



32.7643, 49.5865, 60.0688



49.2074, 49.5865, 114.6519



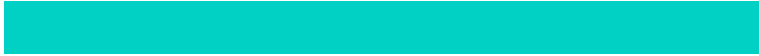
65.1806, 49.5865, 48.3382



45.1129, 49.5865, 19.7068

Rectangle

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



32.7643, 49.5865, 60.0688



38.8623, 49.5865, 103.4030



65.1806, 49.5865, 48.3382



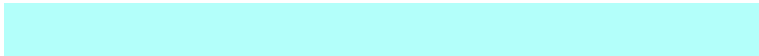
56.4954, 49.5865, 23.5280

Sweetspot

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



32.7658, 49.5884, 60.0700



71.5280, 87.9614, 103.8483



22.9822, 45.6957, 7.6101



14.7781, 18.5558, 22.0858



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.



32.7658, 49.5884, 60.0700



51.3597, 77.7599, 94.0671



18.0416, 17.6679, 62.7830



12.1253, 13.3939, 15.0162



20.2149, 30.5789, 37.1071



1.1401, 1.7137, 2.1266

Inverse Universe

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



26.3688, 13.5859, 1.6148



41.3325, 21.2970, 2.4173



30.0020, 20.9686, 2.4673



11.8381, 11.8200, 12.4235



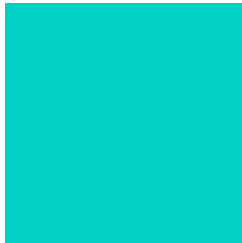
16.2698, 8.3808, 1.0609



0.9204, 0.4729, 0.1157

Previews

White Background



This preview shows how the XYZ color 32.7643, 49.5865, 60.0688 looks on a white background.

Color Contrast Check

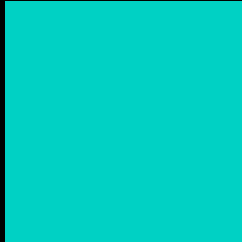
Large Text (above 18pt) WCAG AA × Fail

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 32.7643, 49.5865, 60.0688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

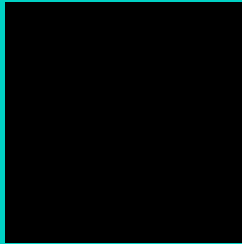
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

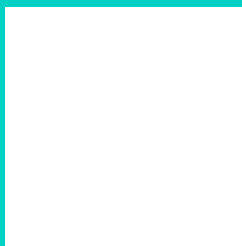
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7643, 49.5865, 60.0688

Background



This preview shows how black text looks on a background with the XYZ color 32.7643, 49.5865, 60.0688.

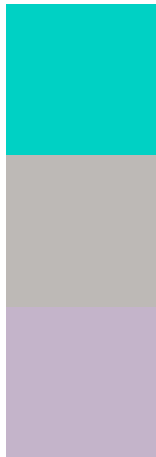


This preview shows how white text looks on a background with the XYZ color 32.7643, 49.5865,

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

32.7643, 49.5865, 60.0688

Protanopia

46.7787, 48.8941, 51.2280

Deuteranopia

49.7469, 48.6425, 62.6441



Tritanopia

36.2351, 49.5649, 76.7644

Trichromacy



Original Color

32.7643, 49.5865, 60.0688



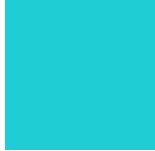
Protanomaly

36.0072, 46.1645, 54.0266



Deuteranomaly

37.5136, 45.7917, 61.5051



Tritanomaly

34.6466, 49.2380, 70.6286

Monochromacy



Original Color

32.7643, 49.5865, 60.0688



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

25.1171, 32.9609, 40.1602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7643, 49.5865, 60.0688 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, 209, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 196)  
}
```

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, 209, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 196) }
```

Border

The CSS property to change the border of an element to XYZ 32.7643, 49.5865, 60.0688 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, 209, 196) }
```


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

```
.border{ border-color:rgb(0, 209, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 209, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7643, 49.5865, 60.0688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 196) }
```

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

```
.background{ background-color: rgb(0, 209,  
196) }
```

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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