

Converting Colors

XYZ(32.1248, 47.3985, 62.6580)

Have a look what the booklet for
XYZ(32.1248, 47.3985, 62.6580)
contains.

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Color

**XYZ(32.1355, 47.4028,
62.7143)**

Conversions

Conversions Part 1

Format	Color
Hex	00CCC9
RGB	0, 204, 201
RGB Percent	0%, 80%, 79%
CMY	0.9998, 0.2000, 0.2118
CMYK	1.00, 0.00, 0.01, 0.20
HSL	179°, 100%, 40%
HSV	179°, 100%, 80%
XYZ	32.1355, 47.4028, 62.7143
YIQ	142.6620, -120.6210, -44.1810

Conversions

Conversions Part 2

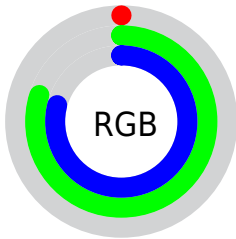
Format	Color
RYB	0, 103, 204
Decimal	52425
CIELab	74.45, -41.53, -10.46
CIELCh	74, 42.828, 194.139
Yxy	47.4028, 0.2259, 0.3332
Android (android.graphics.Color)	4278242505 (0xFF00CCC9)
YUV	142.6620, 28.7606, -125.1146
Hunter-Lab	68.8497, -37.1723, -5.8117

Details

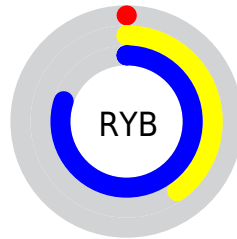
The XYZ color **32.1355, 47.4028, 62.7143** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **24.9198, 12.8454, 1.2535**, and the grayscale version is **25.9032, 27.2522, 29.6777**.

A 20% lighter version of the original color is **59.7539, 81.8042, 107.2482**, and **16.0139, 23.6015, 31.3153** is the 20% darker color. If you saturate the color by 10%, you get **32.1363, 47.4042, 62.7150**, and if you desaturate by 10%, it is **32.4694, 47.5719, 62.9156**.

Distribution



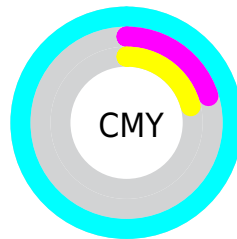
- Red (0%)
- Green (80%)
- Blue (79%)



- Red (0%)
- Yellow (40%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1355, 47.4028, 62.7143 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 32.1355, 47.4028, 62.7143 by changing the saturation by 10% instead.

 32.1355, 47.4028,
62.7143


 32.1355, 47.4028,
62.7143


303.4704,
376.4201, 452.6113


 21.6211, 33.3542,
45.1706


 62.3872, 86.3146,
110.3388


 13.6938, 22.3979,
31.2479


 82.8552, 111.9465,
141.2567


 7.9883, 14.1496,
20.5276


 107.3717,
142.2084, 177.4698

 4.1392, 8.2248,
12.5913

 136.3022,
177.4845, 219.3965

 1.7812, 4.2391,
7.0203

 170.0120,
218.1594, 267.4555

 0.5063, 1.8082,
3.3962

208.8663,

 0.0000, 0.4923,

264.6173, 322.0653

1.3003

253.2307,
317.2428, 383.6443

■ 0.0000, 0.0000,
0.0620

■ 0.0000, 0.0000,
0.0000

■ 32.1355, 47.4028,
62.7143

■ 32.1355, 47.4028,
62.7143

■ 32.1363, 47.4042,
62.7150

■ 32.4694, 47.5719,
62.9156

■ 33.1155, 47.9008,
63.1307

■ 34.1823, 48.4467,
63.3659

■ 35.7272, 49.2390,
63.6239

■ 37.7986, 50.3028,
63.9068

■ 40.4390, 51.6598,
64.2167

■ 43.6866, 53.3299,
64.5555

■ 47.5762, 55.3309,
64.9246

■ 52.1400, 57.6795,
65.3256

Harmonies

Analogous

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



32.2278, 47.4028, 40.8419



32.1355, 47.4028, 62.7143



35.2168, 47.4028, 87.2540

Triad

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



32.1355, 47.4028, 62.7143



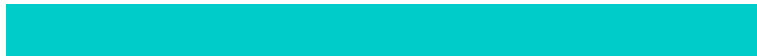
56.2069, 47.4028, 88.5422



49.2361, 47.4028, 20.5622

Complementary

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



32.1355, 47.4028, 62.7143



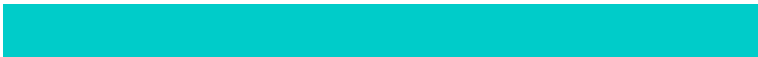
24.9198, 12.8454, 1.2535

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.



56.5733, 47.4028, 27.3016



32.1355, 47.4028, 62.7143



60.9009, 47.4028, 64.1300

Square

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



32.1355, 47.4028, 62.7143



48.7804, 47.4028, 104.8081



61.0421, 47.4028, 41.9068



41.5242, 47.4028, 20.3837

Rectangle

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



32.1355, 47.4028, 62.7143



38.8836, 47.4028, 100.1168



61.0421, 47.4028, 41.9068



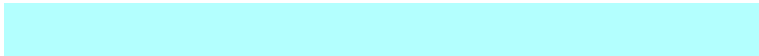
51.8470, 47.4028, 22.0248

Sweetspot

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



32.1369, 47.4046, 62.7154



72.1043, 88.1919, 106.8828



21.6369, 43.2095, 7.2012



14.9184, 18.6119, 22.8249



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.



32.1369, 47.4046, 62.7154



53.2116, 78.5006, 103.8189



15.9948, 14.5497, 59.0940



11.5359, 12.7241, 14.3794



20.2296, 29.8371, 39.4894



1.0460, 1.5402, 2.0495

Inverse Universe

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



24.9198, 12.8454, 1.2535



41.2606, 21.2682, 2.0383



29.3293, 21.6906, 2.6422



11.2189, 11.2163, 11.6874



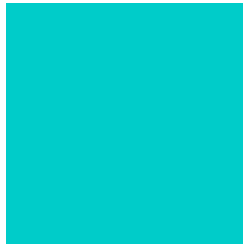
15.6869, 8.0853, 0.8039



0.8117, 0.4181, 0.0541

Previews

White Background



This preview shows how the XYZ color 32.1355, 47.4028, 62.7143 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 32.1355, 47.4028, 62.7143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

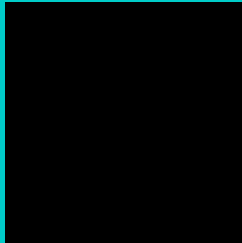
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

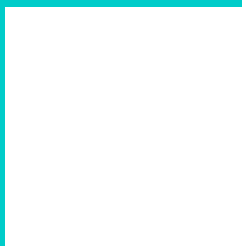
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.1355, 47.4028, 62.7143

Background



This preview shows how black text looks on a background with the XYZ color 32.1355, 47.4028, 62.7143.

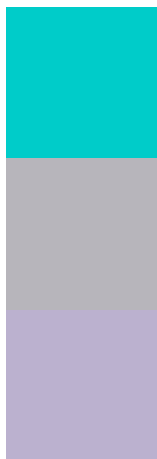


This preview shows how white text looks on a background with the XYZ color 32.1355, 47.4028,

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

32.1355, 47.4028, 62.7143

Protanopia

45.0220, 46.7029, 53.6554

Deuteranopia

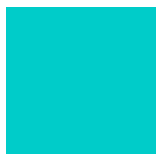
47.4781, 46.5141, 65.5072



Tritanopia

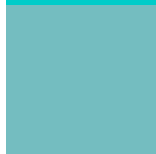
34.4166, 47.2864, 73.6429

Trichromacy



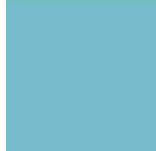
Original Color

32.1355, 47.4028, 62.7143



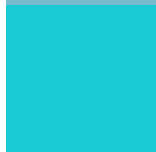
Protanomaly

34.9145, 43.9140, 56.5052



Deuteranomaly

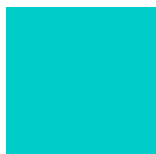
36.3975, 43.8704, 64.3071



Tritanomaly

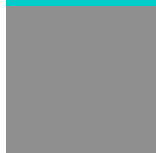
33.4051, 47.2012, 69.6375

Monochromacy



Original Color

32.1355, 47.4028, 62.7143



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.4704, 31.8147, 39.9731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1355, 47.4028, 62.7143 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, 204, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 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, 204, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 201) }
```

Border

The CSS property to change the border of an element to XYZ 32.1355, 47.4028, 62.7143 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, 204, 201) }
```


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

```
.border{ border-color:rgb(0, 204, 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, 204, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1355, 47.4028, 62.7143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 201) }
```

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

```
.background{ background-color: rgb(0, 204,  
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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