

Converting Colors

XYZ(19.1424, 41.3828, 61.7936)

Have a look what the booklet for
XYZ(19.1424, 41.3828, 61.7936)
contains.

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Color

**XYZ(32.4966, 48.3127,
62.2561)**

Conversions

Conversions Part 1

Format	Color
Hex	00CEC8
RGB	0, 206, 200
RGB Percent	0%, 81%, 78%
CMY	0.9998, 0.1921, 0.2157
CMYK	1.00, 0.00, 0.03, 0.19
HSL	178°, 100%, 40%
HSV	178°, 100%, 81%
XYZ	32.4966, 48.3127, 62.2561
YIQ	143.7220, -120.8500, -45.5380

Conversions

Conversions Part 2

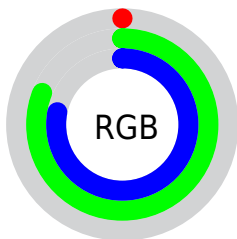
Format	Color
RYB	0, 105, 206
Decimal	52936
CIELab	75.02, -42.71, -9.06
CIELCh	75, 43.661, 191.982
Yxy	48.3127, 0.2271, 0.3377
Android (android.graphics.Color)	4278243016 (0xFF00CEC8)
YUV	143.7220, 27.7451, -126.0442
Hunter-Lab	69.5073, -38.1842, -4.4495

Details

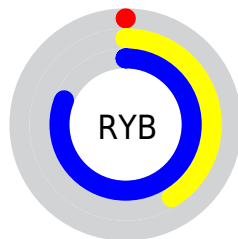
The XYZ color **32.4966, 48.3127, 62.2561** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **25.4880, 13.1364, 1.3658**, and the grayscale version is **26.3300, 27.7012, 30.1666**.

A 20% lighter version of the original color is **59.7539, 81.8042, 107.2482**, and **16.2549, 24.2085, 31.0101** is the 20% darker color. If you saturate the color by 10%, you get **32.4974, 48.3142, 62.2565**, and if you desaturate by 10%, it is **32.8696, 48.4979, 62.6416**.

Distribution



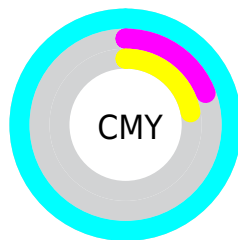
- Red (0%)
- Green (81%)
- Blue (78%)



- Red (0%)
- Yellow (41%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4966, 48.3127, 62.2561 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 32.4966, 48.3127, 62.2561 by changing the saturation by 10% instead.


 32.4966, 48.3127,
62.2561


 32.4966, 48.3127,
62.2561


305.0805,
380.0303, 450.8981


 21.8985, 34.0746,
44.8025


 62.9487, 87.6698,
109.6708


 13.8985, 22.9509,
30.9601


 83.5335, 113.5576,
140.4690


 8.1313, 14.5573,
20.3103


 108.1778,
144.0974, 176.5524

 4.2316, 8.5093,
12.4345

 137.2470,
179.6736, 218.3397

 1.8340, 4.4225,
6.9142

 171.1066,
220.6705, 266.2494

 0.5380, 1.9126,
3.3308

210.1218,

 0.0000, 0.5559,

267.4727, 320.7000

1.2660

254.6580,
320.4645, 382.1100

■ 0.0000, 0.0000,
0.0336

■ 0.0000, 0.0000,
0.0000

■ 32.4966, 48.3127,
62.2561

■ 32.4966, 48.3127,
62.2561

■ 32.4974, 48.3142,
62.2565

■ 32.8696, 48.4979,
62.6416

■ 33.5626, 48.8470,
63.0425

■ 34.6861, 49.4180,
63.4649

■ 36.2989, 50.2412,
63.9117

■ 38.4505, 51.3422,
64.3851

■ 41.1845, 52.7433,
64.8873

■ 44.5400, 54.4648,
65.4200

■ 48.5527, 56.5251,
65.9848

■ 53.2556, 58.9412,
66.5835

Harmonies

Analogous

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



32.8295, 48.3127, 40.1591



32.4966, 48.3127, 62.2561



35.4406, 48.3127, 87.7770

Triad

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



32.4966, 48.3127, 62.2561



56.9566, 48.3127, 92.4563



50.8267, 48.3127, 20.9242

Complementary

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



32.4966, 48.3127, 62.2561



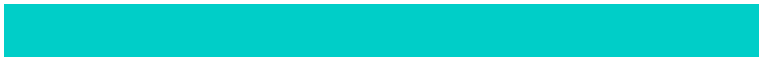
25.4880, 13.1364, 1.3658

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.



58.2844, 48.3127, 28.3623



32.4966, 48.3127, 62.2561



62.0957, 48.3127, 67.3869

Square

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



32.4966, 48.3127, 62.2561



49.1766, 48.3127, 108.3018



62.6080, 48.3127, 44.0055



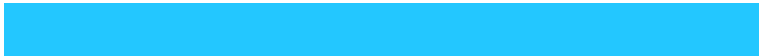
42.8100, 48.3127, 20.2837

Rectangle

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



32.4966, 48.3127, 62.2561



39.0883, 48.3127, 101.6630



62.6080, 48.3127, 44.0055



53.5042, 48.3127, 22.5848

Sweetspot

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



32.4980, 48.3145, 62.2573



71.9282, 88.1215, 105.9554



22.1587, 44.1887, 7.3626



14.8755, 18.5947, 22.5988



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.



32.4980, 48.3145, 62.2573



52.6365, 78.2706, 100.7907



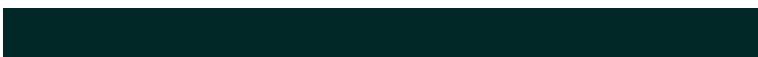
16.7054, 15.5844, 60.5220



11.5286, 12.7212, 14.3410



20.0168, 29.7520, 38.3690



1.0372, 1.5367, 2.0034

Inverse Universe

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



25.4880, 13.1364, 1.3658



41.2807, 21.2763, 2.1444



29.6519, 21.5169, 2.5916



11.2254, 11.2189, 11.7213



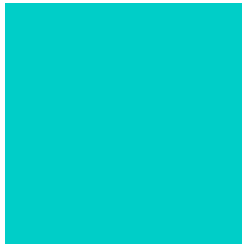
15.7000, 8.0906, 0.8729



0.8147, 0.4193, 0.0700

Previews

White Background



This preview shows how the XYZ color 32.4966, 48.3127, 62.2561 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 32.4966, 48.3127, 62.2561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

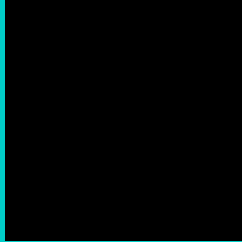
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

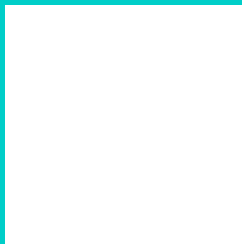
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.4966, 48.3127, 62.2561

Background



This preview shows how black text looks on a background with the XYZ color 32.4966, 48.3127, 62.2561.

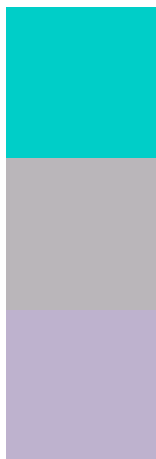


This preview shows how white text looks on a background with the XYZ color 32.4966, 48.3127,

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

32.4966, 48.3127, 62.2561

Protanopia

45.8406, 47.4402, 53.1952

Deuteranopia

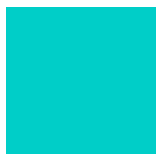
48.2962, 47.2442, 64.9661



Tritanopia

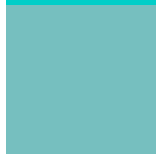
35.2705, 48.3928, 75.1919

Trichromacy



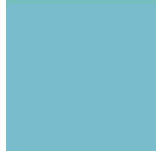
Original Color

32.4966, 48.3127, 62.2561



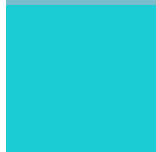
Protanomaly

35.5060, 44.8747, 56.0805



Deuteranomaly

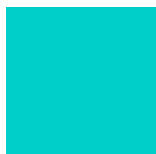
36.7675, 44.3910, 63.7572



Tritanomaly

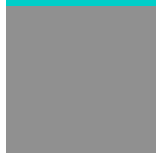
34.0551, 48.2228, 70.4638

Monochromacy



Original Color

32.4966, 48.3127, 62.2561



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.9332, 32.5931, 40.0989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4966, 48.3127, 62.2561 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, 206, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 200)  
}
```

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, 206, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 200) }
```

Border

The CSS property to change the border of an element to XYZ 32.4966, 48.3127, 62.2561 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, 206, 200) }
```


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

```
.border{ border-color:rgb(0, 206, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 206, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4966, 48.3127, 62.2561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 206, 200) }
```

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

```
.background{ background-color: rgb(0, 206,  
200) }
```

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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