

Converting Colors

XYZ(22.3806, 43.4623, 65.0999)

Have a look what the booklet for
XYZ(22.3806, 43.4623, 65.0999)
contains.

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Color

**XYZ(33.3323, 49.0334,
65.4652)**

Conversions

Conversions Part 1

Format	Color
Hex	00CFCD
RGB	0, 207, 205
RGB Percent	0%, 81%, 80%
CMY	0.9998, 0.1882, 0.1961
CMYK	1.00, 0.00, 0.01, 0.19
HSL	179°, 100%, 41%
HSV	179°, 100%, 81%
XYZ	33.3323, 49.0334, 65.4652
YIQ	144.8790, -122.7300, -44.5060

Conversions

Conversions Part 2

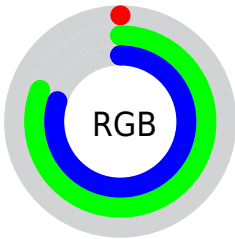
Format	Color
RYB	0, 104, 207
Decimal	53197
CIELab	75.47, -41.68, -11.09
CIELCh	75, 43.130, 194.903
Yxy	49.0334, 0.2255, 0.3317
Android (android.graphics.Color)	4278243277 (0xFF00CFCD)
YUV	144.8790, 29.6397, -127.0589
Hunter-Lab	70.0239, -37.5733, -6.4134

Details

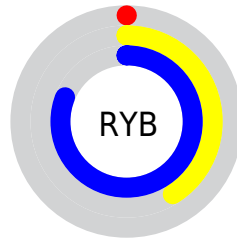
The XYZ color **33.3323, 49.0334, 65.4652** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **25.7447, 13.2714, 1.2637**, and the grayscale version is **26.7905, 28.1857, 30.6942**.

A 20% lighter version of the original color is **59.8734, 81.8658, 107.2538**, and **16.8142, 24.6908, 33.1578** is the 20% darker color. If you saturate the color by 10%, you get **33.3331, 49.0349, 65.4660**, and if you desaturate by 10%, it is **33.6614, 49.2013, 65.6080**.

Distribution



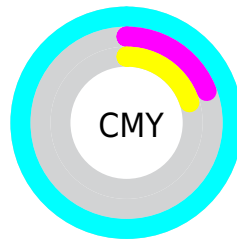
- Red (0%)
- Green (81%)
- Blue (80%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3323, 49.0334, 65.4652 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 33.3323, 49.0334, 65.4652 by changing the saturation by 10% instead.


 33.3323, 49.0334,
65.4652


 33.3323, 49.0334,
65.4652


308.7830,
382.8738, 462.8137


 22.5416, 34.6460,
47.3847


 64.2452, 88.7411,
114.3381


 14.3742, 23.3903,
32.9833


 85.0981, 114.8301,
145.9675

 8.4648, 14.8820,
21.8427


 110.0357,
145.5884, 182.9503

 4.4481, 8.7366,
13.5441

 139.4235,
181.4005, 225.7050

 1.9586, 4.5698,
7.6692

 173.6268,
222.6507, 274.6501

 0.6106, 1.9971,
3.7993

213.0109,

 0.0000, 0.6058,

269.7233, 330.2043

1.5159

257.9412,
323.0029, 392.7860

■ 0.0000, 0.0000,
0.2297

■ 0.0000, 0.0000,
0.0000

■ 33.3323, 49.0334,
65.4652

■ 33.3323, 49.0334,
65.4652

■ 33.3331, 49.0349,
65.4660

■ 33.6614, 49.2013,
65.6080

■ 34.3141, 49.5350,
65.7649

■ 35.4020, 50.0930,
65.9424

■ 36.9844, 50.9060,
66.1432

■ 39.1115, 51.9998,
66.3696

■ 41.8275, 53.3971,
66.6238

■ 45.1720, 55.1184,
66.9075

■ 49.1809, 57.1823,
67.2225

■ 53.8878, 59.6059,
67.5703

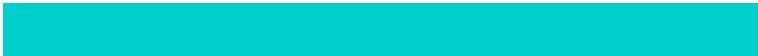
Harmonies

Analogous

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



33.3430, 49.0334, 42.7742



33.3323, 49.0334, 65.4652



36.5895, 49.0334, 90.6624

Triad

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



33.3323, 49.0334, 65.4652



58.2563, 49.0334, 90.8113



50.7027, 49.0334, 21.2824

Complementary

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



33.3323, 49.0334, 65.4652



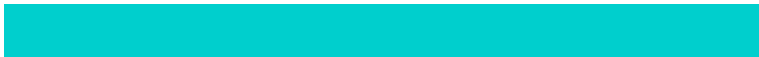
25.7447, 13.2714, 1.2637

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.



58.2987, 49.0334, 28.0539



33.3323, 49.0334, 65.4652



62.9857, 49.0334, 65.6290

Square

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



33.3323, 49.0334, 65.4652



50.6500, 49.0334, 107.8890



63.0020, 49.0334, 42.8975



42.7809, 49.0334, 21.2617

Rectangle

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



33.3323, 49.0334, 65.4652



40.4141, 49.0334, 103.6902



63.0020, 49.0334, 42.8975



53.3974, 49.0334, 22.7353

Sweetspot

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



33.3338, 49.0352, 65.4664



72.1661, 88.2167, 107.2085



22.3576, 44.6497, 7.4414



14.9335, 18.6179, 22.9044



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.



33.3338, 49.0352, 65.4664



53.4154, 78.5822, 104.8922



16.5187, 15.0159, 61.0611



12.1533, 13.4051, 15.1635



21.0029, 30.8941, 41.2568



1.1760, 1.7281, 2.3154

Inverse Universe

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



25.7447, 13.2714, 1.2637



41.2535, 21.2654, 2.0011



30.2979, 22.3952, 2.7273



11.8133, 11.8101, 12.2928



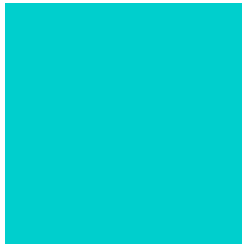
16.2213, 8.3614, 0.8057



0.9087, 0.4682, 0.0538

Previews

White Background



This preview shows how the XYZ color 33.3323, 49.0334, 65.4652 looks on a white background.

Color Contrast Check

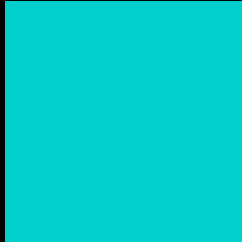
Large Text (above 18pt) WCAG AA × Fail

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 33.3323, 49.0334, 65.4652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

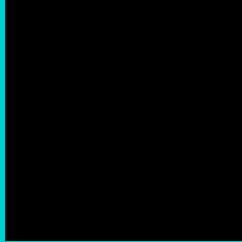
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

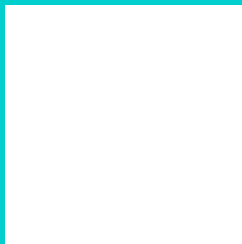
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3323, 49.0334, 65.4652

Background



This preview shows how black text looks on a background with the XYZ color 33.3323, 49.0334, 65.4652.

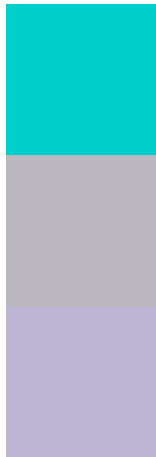


This preview shows how white text looks on a background with the XYZ color 33.3323, 49.0334,

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

33.3323, 49.0334, 65.4652

Protanopia

46.5872, 48.0677, 56.1128

Deuteranopia

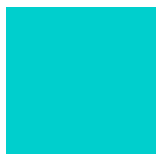
49.3143, 48.2928, 68.3503



Tritanopia

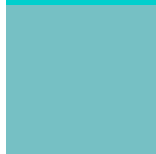
35.7192, 49.3144, 76.0427

Trichromacy



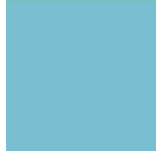
Original Color

33.3323, 49.0334, 65.4652



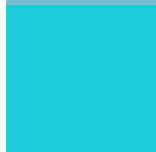
Protanomaly

36.2847, 45.5363, 59.1015



Deuteranomaly

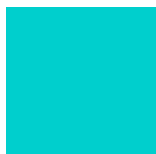
37.8072, 45.4953, 67.1104



Tritanomaly

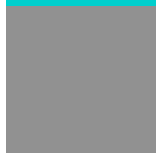
34.7380, 49.2556, 71.9664

Monochromacy



Original Color

33.3323, 49.0334, 65.4652



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

25.3913, 33.0706, 41.6042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3323, 49.0334, 65.4652 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, 207, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 205)  
}
```

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, 207, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 205) }
```

Border

The CSS property to change the border of an element to XYZ 33.3323, 49.0334, 65.4652 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, 207, 205) }
```


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

```
.border{ border-color:rgb(0, 207, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 207, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 207, 205); box-shadow:4px 4px 4px 4px rgb(0, 207, 205) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3323, 49.0334, 65.4652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 205) }
```

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

```
.background{ background-color: rgb(0, 207,  
205) }
```

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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