

Converting Colors

XYZ(24.7512, 44.2949, 69.3758)

Have a look what the booklet for
XYZ(24.7512, 44.2949, 69.3758)
contains.

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Color

**XYZ(33.9550, 48.8961,
69.9356)**

Conversions

Conversions Part 1

Format	Color
Hex	00CED4
RGB	0, 206, 212
RGB Percent	0%, 81%, 83%
CMY	0.9998, 0.1921, 0.1686
CMYK	1.00, 0.03, 0.00, 0.17
HSL	182°, 100%, 42%
HSV	182°, 100%, 83%
XYZ	33.9550, 48.8961, 69.9356
YIQ	145.0900, -124.7020, -41.8060

Conversions

Conversions Part 2

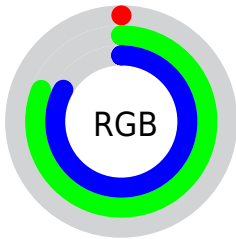
Format	Color
RYB	0, 104, 212
Decimal	52948
CIELab	75.39, -39.13, -15.00
CIELCh	75, 41.904, 200.972
Yxy	48.8961, 0.2222, 0.3200
Android (android.graphics.Color)	4278243028 (0xFF00CED4)
YUV	145.0900, 32.9866, -127.2439
Hunter-Lab	69.9257, -35.6929, -10.3503

Details

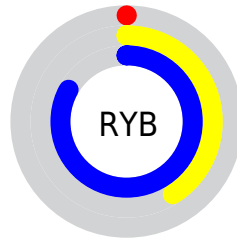
The XYZ color **33.9550, 48.8961, 69.9356** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.2177, 14.1287, 1.2941**, and the grayscale version is **26.8636, 28.2626, 30.7780**.

A 20% lighter version of the original color is **59.9943, 81.9281, 107.2594**, and **17.1524, 24.5675, 35.7363** is the 20% darker color. If you saturate the color by 10%, you get **33.9555, 48.8968, 69.9366**, and if you desaturate by 10%, it is **34.4152, 49.3492, 69.9997**.

Distribution



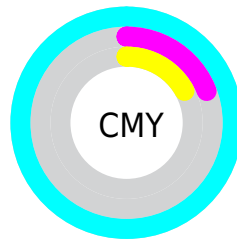
- Red (0%)
- Green (81%)
- Blue (83%)



- Red (0%)
- Yellow (41%)
- Blue (83%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (17%)




- Cyan (100%)
- Magenta (19%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9550, 48.8961, 69.9356 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 33.9550, 48.8961, 69.9356 by changing the saturation by 10% instead.


 33.9550, 48.8961,
69.9356


 33.9550, 48.8961,
69.9356


311.5208,
382.3331, 479.1069


 23.0218, 34.5371,
50.9976


 65.2084, 88.5371,
120.7972


 14.7304, 23.3065,
35.8299

 86.2593, 114.5879,
153.5578


 8.7154, 14.8200,
24.0142


 111.4135,
145.3047, 191.7630

 4.6117, 8.6931,
15.1319

 141.0363,
181.0720, 235.8313

 2.0537, 4.5416,
8.7643

 175.4931,
222.2740, 286.1813

 0.6638, 1.9809,
4.4931

215.1492,

 0.0000, 0.5963,

269.2953, 343.2316

1.8996

260.3700,
322.5202, 407.4006

■ 0.0000, 0.0000,
0.4925

■ 0.0000, 0.0000,
0.0000

■ 33.9550, 48.8961,
69.9356

■ 33.9550, 48.8961,
69.9356

■ 33.9555, 48.8968,
69.9366

■ 34.4152, 49.3492,
69.9997

■ 35.2193, 49.9794,
70.0790

■ 36.4835, 50.8476,
70.1799

■ 38.2711, 51.9864,
70.3055

■ 40.6352, 53.4233,
70.4583

■ 43.6227, 55.1824,
70.6403

■ 47.2755, 57.2852,
70.8537

■ 51.6319, 59.7517,
71.1002

■ 56.7274, 62.5999,
71.3814

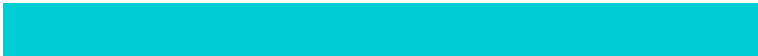
Harmonies

Analogous

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



33.3112, 48.8961, 46.8482



33.9550, 48.8961, 69.9356



37.7462, 48.8961, 93.5246

Triad

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



33.9550, 48.8961, 69.9356



58.9747, 48.8961, 84.7175



48.8408, 48.8961, 21.3423

Complementary

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



33.9550, 48.8961, 69.9356



27.2177, 14.1287, 1.2941

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.



56.4536, 48.8961, 26.5894



33.9550, 48.8961, 69.9356



62.7154, 48.8961, 60.1873

Square

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



33.9550, 48.8961, 69.9356



51.9874, 48.8961, 103.5686



61.7450, 48.8961, 39.4377



41.3654, 48.8961, 22.6103

Rectangle

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



33.9550, 48.8961, 69.9356



41.8043, 48.8961, 104.3384



61.7450, 48.8961, 39.4377



51.4797, 48.8961, 22.3331

Sweetspot

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



33.9565, 48.8979, 69.9368



71.5982, 86.8906, 107.6057



23.5641, 47.0958, 7.9514



14.7950, 18.2945, 23.0014



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.



33.9565, 48.8979, 69.9368



51.5508, 74.2216, 106.2169



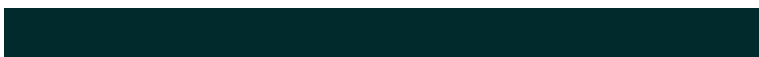
16.6846, 14.3541, 64.1795



12.7607, 14.0447, 15.9759



20.9753, 30.2124, 43.1792



1.2748, 1.8417, 2.6076

Inverse Universe

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



38.2933, 18.4548, 59.9382



58.1497, 28.0239, 90.9750



32.6806, 25.0544, 3.1150



12.9371, 12.6264, 15.6092



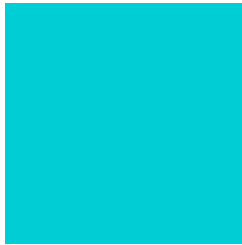
23.6462, 11.3948, 37.0366



1.4311, 0.6892, 2.2597

Previews

White Background



This preview shows how the XYZ color 33.9550, 48.8961, 69.9356 looks on a white background.

Color Contrast Check

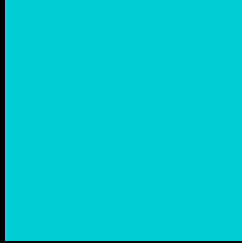
Large Text (above 18pt) WCAG AA × Fail

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 33.9550, 48.8961, 69.9356 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

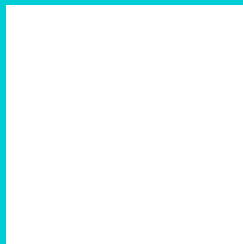
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9550, 48.8961, 69.9356

Background



This preview shows how black text looks on a background with the XYZ color 33.9550, 48.8961, 69.9356.



This preview shows how white text looks on a background with the XYZ color 33.9550, 48.8961,

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

33.9550, 48.8961, 69.9356

Protanopia

46.8937, 48.1345, 60.2454

Deuteranopia

49.2258, 48.1436, 73.0278



Tritanopia

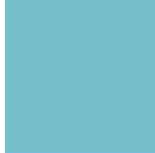
35.4475, 49.1744, 76.0299

Trichromacy



Original Color

33.9550, 48.8961, 69.9356



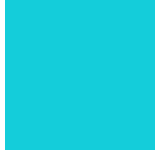
Protanomaly

36.7464, 45.3553, 63.3176



Deuteranomaly

38.0635, 45.2046, 71.6850



Tritanomaly

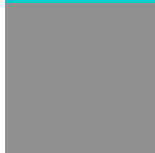
34.7747, 48.8733, 73.9303

Monochromacy



Original Color

33.9550, 48.8961, 69.9356



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

25.3938, 32.7773, 42.5244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9550, 48.8961, 69.9356 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 212) }
```

Border

The CSS property to change the border of an element to XYZ 33.9550, 48.8961, 69.9356 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, 212) }
```


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

```
.border{ border-color:rgb(0, 206, 212) }
```

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, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9550, 48.8961, 69.9356 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, 212) }
```

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

```
.background{ background-color: rgb(0, 206,  
212) }
```

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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