

Converting Colors

XYZ(12.7647, 33.5506, 68.1103)

Have a look what the booklet for
XYZ(12.7647, 33.5506, 68.1103)
contains.

XYZ(30.9536, 42.8934, 68.9352)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.9536, 42.8934,
68.9352)**

Conversions

Conversions Part 1

Format	Color
Hex	00C1D4
RGB	0, 193, 212
RGB Percent	0%, 76%, 83%
CMY	0.9998, 0.2431, 0.1686
CMYK	1.00, 0.09, 0.00, 0.17
HSL	185°, 100%, 42%
HSV	185°, 100%, 83%
XYZ	30.9536, 42.8934, 68.9352
YIQ	137.4590, -121.1270, -35.0070

Conversions

Conversions Part 2

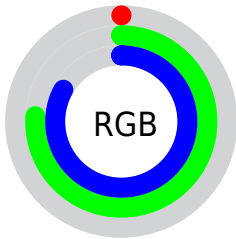
Format	Color
R _{YB}	0, 101, 212
Decimal	49620
CIE Lab	71.48, -33.08, -20.90
CIE LCh	71, 39.129, 212.289
Yxy	42.8934, 0.2168, 0.3004
Android (android.graphics.Color)	4278239700 (0xFF00C1D4)
YUV	137.4590, 36.7487, -120.5515
Hunter-Lab	65.4931, -30.2494, -16.5610

Details

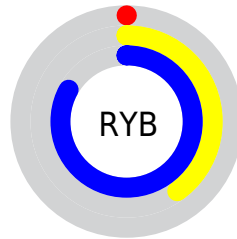
The XYZ color **30.9536, 42.8934, 68.9352** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.3856, 14.4646, 1.3499**, and the grayscale version is **23.8553, 25.0977, 27.3314**.

A 20% lighter version of the original color is **58.1795, 78.6554, 106.7234**, and **15.3184, 20.8996, 35.1249** is the 20% darker color. If you saturate the color by 10%, you get **30.9535, 42.8928, 68.9359**, and if you desaturate by 10%, it is **31.6917, 43.9024, 69.0919**.

Distribution



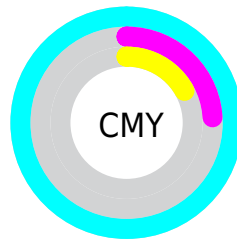
- Red (0%)
- Green (76%)
- Blue (83%)



- Red (0%)
- Yellow (40%)
- Blue (83%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (24%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9536, 42.8934, 68.9352 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 30.9536, 42.8934, 68.9352 by changing the saturation by 10% instead.

30.9536, 42.8934,
68.9352

30.9536, 42.8934,
68.9352

298.1552,
358.1732, 475.4901

20.7152, 29.8015,
50.1875

60.5434, 79.5500,
119.3558

13.0272, 19.6880,
35.1902

80.6254, 103.8834,
151.8659

7.5244, 12.1684,
23.5247

104.7193,
132.7328, 189.8005

3.8414, 6.8585,
14.7725

133.1905,
166.4826, 233.5781

1.6128, 3.3738,
8.5150

166.4044,
205.5171, 283.6173

0.4007, 1.3298,
4.3338

204.7262,

0.0000, 0.1641,

250.2208, 340.3367

1.8102

248.5214,
300.9780, 404.1548

■ 0.0000, 0.0000,
0.4347

■ 0.0000, 0.0000,
0.0000

■ 30.9536, 42.8934,
68.9352

■ 30.9536, 42.8934,
68.9352

■ 30.9535, 42.8928,
68.9359

■ 31.6917, 43.9024,
69.0919

■ 32.7786, 45.0984,
69.2654

■ 34.3306, 46.5423,
69.4623

■ 36.4107, 48.2665,
69.6855

■ 39.0723, 50.2986,
69.9375

■ 42.3622, 52.6628,
70.2204

■ 46.3224, 55.3807,
70.5363

■ 50.9911, 58.4721,
70.8869

■ 56.4039, 61.9553,
71.2740

Harmonies

Analogous

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



29.3569, 42.8934, 48.1705



30.9536, 42.8934, 68.9352



35.1474, 42.8934, 86.8384

Triad

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



30.9536, 42.8934, 68.9352



53.0685, 42.8934, 65.7265



40.2641, 42.8934, 18.9859

Complementary

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



30.9536, 42.8934, 68.9352



27.3856, 14.4646, 1.3499

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.



46.9599, 42.8934, 21.3495



30.9536, 42.8934, 68.9352



54.8106, 42.8934, 45.2668

Square

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



30.9536, 42.8934, 68.9352



47.9313, 42.8934, 84.6616



52.4665, 42.8934, 29.8535



34.3581, 42.8934, 22.2227

Rectangle

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



30.9536, 42.8934, 68.9352



39.0896, 42.8934, 92.7754



52.4665, 42.8934, 29.8535



42.4956, 42.8934, 19.1508

Sweetspot

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



30.9550, 42.8950, 68.9362



70.1364, 83.9670, 107.1184



23.6512, 47.1306, 8.4105



14.4393, 17.5832, 22.8828



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.



30.9550, 42.8950, 68.9362



46.9469, 65.0138, 104.6823



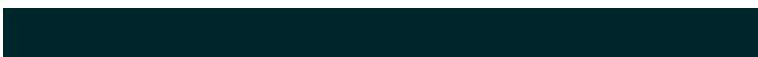
15.4038, 11.7927, 63.7525



12.6926, 13.9086, 15.9532



19.1471, 26.5560, 42.5698



1.1834, 1.6587, 2.5771

Inverse Universe

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



36.7782, 17.8486, 51.9604



55.8258, 27.0943, 78.7379



34.3205, 28.3343, 3.6615



12.9028, 12.6126, 15.4283



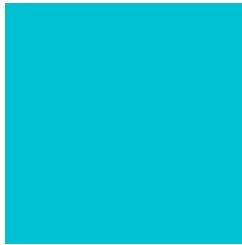
22.7234, 11.0257, 32.1773



1.3850, 0.6708, 2.0165

Previews

White Background



This preview shows how the XYZ color 30.9536, 42.8934, 68.9352 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 30.9536, 42.8934, 68.9352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

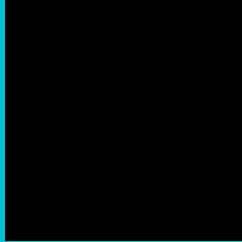
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.9536, 42.8934, 68.9352

Background



This preview shows how black text looks on a background with the XYZ color 30.9536, 42.8934, 68.9352.



This preview shows how white text looks on a background with the XYZ color 30.9536, 42.8934,

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

30.9536, 42.8934, 68.9352

Protanopia

41.5231, 42.1283, 59.3692

Deuteranopia

43.2613, 42.1942, 71.5098



Tritanopia

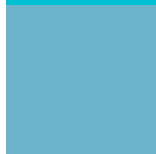
30.5786, 42.7434, 66.9602

Trichromacy



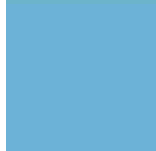
Original Color

30.9536, 42.8934, 68.9352



Protanomaly

33.2851, 40.1425, 62.4939



Deuteranomaly

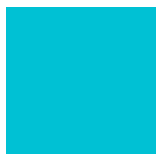
34.3705, 39.9352, 70.1867



Tritanomaly

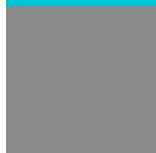
30.7028, 42.7931, 67.6144

Monochromacy



Original Color

30.9536, 42.8934, 68.9352



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.6883, 28.8205, 39.4891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9536, 42.8934, 68.9352 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, 193, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 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, 193, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 212) }
```

Border

The CSS property to change the border of an element to XYZ 30.9536, 42.8934, 68.9352 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, 193, 212) }
```


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

```
.border{ border-color:rgb(0, 193, 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, 193, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9536, 42.8934, 68.9352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 212) }
```

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

```
.background{ background-color: rgb(0, 193,  
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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