

Converting Colors

XYZ(30.2800, 43.1215, 63.8541)

Have a look what the booklet for
XYZ(30.2800, 43.1215, 63.8541)
contains.

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Color

**XYZ(30.1909, 42.9432,
63.8244)**

Conversions

Conversions Part 1

Format	Color
Hex	00C2CC
RGB	0, 194, 204
RGB Percent	0%, 76%, 80%
CMY	0.9998, 0.2392, 0.2000
CMYK	1.00, 0.05, 0.00, 0.20
HSL	183°, 100%, 40%
HSV	183°, 100%, 80%
XYZ	30.1909, 42.9432, 63.8244
YIQ	137.1340, -118.8340, -38.0180

Conversions

Conversions Part 2

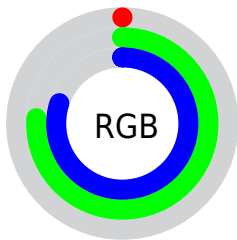
Format	Color
RYB	0, 99, 204
Decimal	49868
CIELab	71.52, -36.07, -16.49
CIELCh	72, 39.663, 204.567
Yxy	42.9432, 0.2204, 0.3135
Android (android.graphics.Color)	4278239948 (0xFF00C2CC)
YUV	137.1340, 32.9649, -120.2665
Hunter-Lab	65.5311, -32.4424, -11.8741

Details

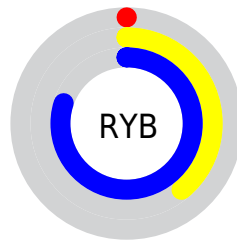
The XYZ color **30.1909, 42.9432, 63.8244** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **25.0115, 13.0558, 1.2032**, and the grayscale version is **23.7460, 24.9827, 27.2061**.

A 20% lighter version of the original color is **58.3729, 79.2176, 106.8217**, and **14.8831, 20.9582, 32.1151** is the 20% darker color. If you saturate the color by 10%, you get **30.1911, 42.9434, 63.8252**, and if you desaturate by 10%, it is **30.7127, 43.5446, 63.9138**.

Distribution



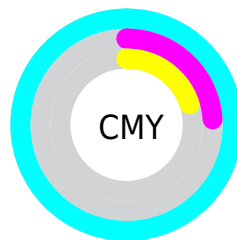
- Red (0%)
- Green (76%)
- Blue (80%)



- Red (0%)
- Yellow (39%)
- Blue (80%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1909, 42.9432, 63.8244 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 30.1909, 42.9432, 63.8244 by changing the saturation by 10% instead.


 30.1909, 42.9432,
63.8244


 30.1909, 42.9432,
63.8244


294.6872,
358.3781, 456.7453


 20.1323, 29.8406,
46.0632


 59.3485, 79.6251,
111.9550


 12.6001, 19.7176,
31.9467


 79.1782, 103.9732,
143.1615


 7.2288, 12.1899,
21.0563


 102.9957,
132.8386, 179.6869

 3.6532, 6.8732,
12.9735

 131.1664,
166.6056, 221.9496

 1.5079, 3.3829,
7.2798

 164.0555,
205.6586, 270.3683

 0.3312, 1.3348,
3.5566

202.0284,

 0.0000, 0.1679,

250.3822, 325.3614

1.3854

245.4505,
301.1605, 387.3476

■ 0.0000, 0.0000,
0.1303

■ 0.0000, 0.0000,
0.0000

■ 30.1909, 42.9432,
63.8244

■ 30.1909, 42.9432,
63.8244

■ 30.1911, 42.9434,
63.8252

■ 30.7127, 43.5446,
63.9138

■ 31.5483, 44.3092,
64.0173

■ 32.8061, 45.2936,
64.1411

■ 34.5433, 46.5275,
64.2876

■ 36.8086, 48.0357,
64.4594

■ 39.6442, 49.8403,
64.6582

■ 43.0885, 51.9609,
64.8860

■ 47.1762, 54.4154,
65.1443

■ 51.9396, 57.2205,
65.4347

Harmonies

Analogous

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



29.2940, 42.9432, 43.3529



30.1909, 42.9432, 63.8244



33.7978, 42.9432, 83.6956

Triad

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



30.1909, 42.9432, 63.8244



52.2310, 42.9432, 71.5579



42.0474, 42.9432, 18.8185

Complementary

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



30.1909, 42.9432, 63.8244



25.0115, 13.0558, 1.2032

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.



48.7446, 42.9432, 22.6895



30.1909, 42.9432, 63.8244



55.0216, 42.9432, 50.3365

Square

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



30.1909, 42.9432, 63.8244



46.4065, 42.9432, 88.9485



53.6810, 42.9432, 33.0421



35.6940, 42.9432, 20.6013

Rectangle

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



30.1909, 42.9432, 63.8244



37.4851, 42.9432, 92.0677



53.6810, 42.9432, 33.0421



44.3391, 42.9432, 19.4601

Sweetspot

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



30.1922, 42.9448, 63.8254



71.1003, 85.8947, 107.4397



21.6313, 43.2017, 7.3953



14.6737, 18.0519, 22.9609



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.



30.1922, 42.9448, 63.8254



49.9508, 71.0216, 105.6836



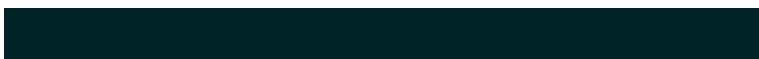
15.0125, 12.5854, 58.7655



11.4943, 12.6291, 14.4022



19.0229, 27.0697, 40.1786



0.9962, 1.4261, 2.0777

Inverse Universe

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



34.6406, 16.7338, 52.4447



57.3420, 27.7008, 86.7222



30.3523, 23.7374, 2.9834



11.6629, 11.3939, 14.0253



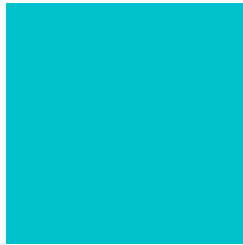
21.8128, 10.5357, 33.0623



1.1328, 0.5465, 1.7450

Previews

White Background



This preview shows how the XYZ color 30.1909, 42.9432, 63.8244 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 30.1909, 42.9432, 63.8244 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

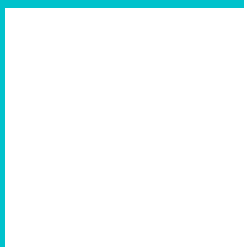
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1909, 42.9432, 63.8244

Background



This preview shows how black text looks on a background with the XYZ color 30.1909, 42.9432, 63.8244.

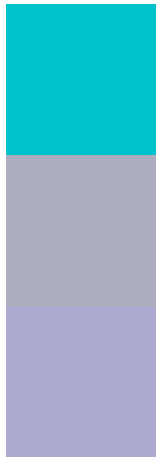


This preview shows how white text looks on a background with the XYZ color 30.1909, 42.9432,

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

30.1909, 42.9432, 63.8244

Protanopia

41.2511, 42.3755, 54.7203

Deuteranopia

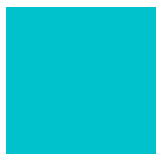
43.1169, 42.2371, 66.2017



Tritanopia

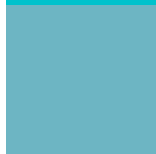
30.9319, 42.9255, 66.9768

Trichromacy



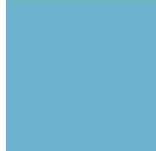
Original Color

30.1909, 42.9432, 63.8244



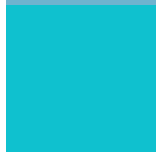
Protanomaly

32.6809, 40.2391, 57.6742



Deuteranomaly

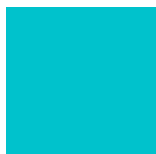
33.8130, 40.0602, 64.9817



Tritanomaly

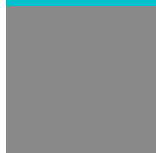
30.5295, 42.7465, 65.6733

Monochromacy



Original Color

30.1909, 42.9432, 63.8244



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.5904, 29.0532, 38.1354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1909, 42.9432, 63.8244 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, 194, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 204)  
}
```

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, 194, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 204) }
```

Border

The CSS property to change the border of an element to XYZ 30.1909, 42.9432, 63.8244 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, 194, 204) }
```


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

```
.border{ border-color:rgb(0, 194, 204) }
```

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

Here you see how a box with a 4 pixel rgb(0, 194, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1909, 42.9432, 63.8244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 204) }
```

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

```
.background{ background-color: rgb(0, 194,  
204) }
```

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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