

Converting Colors

XYZ(29.5862, 40.7365, 66.6973)

Have a look what the booklet for
XYZ(29.5862, 40.7365, 66.6973)
contains.

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Color

**XYZ(29.4918, 40.5699,
66.5980)**

Conversions

Conversions Part 1

Format	Color
Hex	00BCD1
RGB	0, 188, 209
RGB Percent	0%, 74%, 82%
CMY	0.9998, 0.2627, 0.1804
CMYK	1.00, 0.10, 0.00, 0.18
HSL	186°, 100%, 41%
HSV	186°, 100%, 82%
XYZ	29.4918, 40.5699, 66.5980
YIQ	134.1820, -118.7890, -33.3250

Conversions

Conversions Part 2

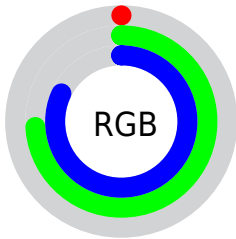
Format	Color
RYB	0, 99, 209
Decimal	48337
CIELab	69.87, -31.65, -21.71
CIELCh	70, 38.378, 214.456
Yxy	40.5699, 0.2158, 0.2969
Android (android.graphics.Color)	4278238417 (0xFF00BCD1)
YUV	134.1820, 36.8853, -117.6776
Hunter-Lab	63.6945, -28.8164, -17.4066

Details

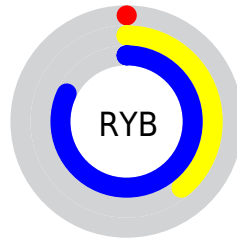
The XYZ color **29.4918, 40.5699, 66.5980** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **26.5640, 14.0935, 1.3215**, and the grayscale version is **22.6320, 23.8107, 25.9298**.

A 20% lighter version of the original color is **56.5281, 75.5281, 106.2068**, and **14.4415, 19.4168, 33.9970** is the 20% darker color. If you saturate the color by 10%, you get **29.4916, 40.5692, 66.5987**, and if you desaturate by 10%, it is **30.2526, 41.6338, 66.7640**.

Distribution



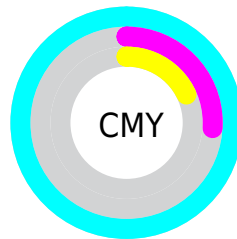
- Red (0%)
- Green (74%)
- Blue (82%)



- Red (0%)
- Yellow (39%)
- Blue (82%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (18%)





- Cyan (100%)
- Magenta (26%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4918, 40.5699, 66.5980 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 29.4918, 40.5699, 66.5980 by changing the saturation by 10% instead.


 29.4918, 40.5699,
66.5980


 29.4918, 40.5699,
66.5980


291.4809,
348.5198, 466.9750


 19.5993, 27.9832,
48.2985


 58.2497, 76.0306,
115.9794

 12.2107, 18.3130,
33.7016


 77.8459, 99.6733,
147.8983

 6.9606, 11.1749,
22.3890


 101.4073,
127.7701, 185.1941

 3.4836, 6.1846,
13.9420

 129.2993,
160.7054, 228.2853

 1.4143, 2.9577,
7.9420

 161.8874,
198.8637, 277.5904

 0.2664, 1.1097,
3.9706

199.5367,

 0.0000, 0.0000,

242.6292, 333.5281

1.6092

242.6128,
292.3865, 396.5167

■ 0.0000, 0.0000,
0.2974

■ 0.0000, 0.0000,
0.0000

■ 29.4918, 40.5699,
66.5980

■ 29.4918, 40.5699,
66.5980

■ 29.4916, 40.5692,
66.5987

■ 30.2526, 41.6338,
66.7640

■ 31.3515, 42.8810,
66.9469

■ 32.9017, 44.3707,
67.1527

■ 34.9643, 46.1342,
67.3844

■ 37.5905, 48.1982,
67.6443

■ 40.8257, 50.5861,
67.9347

■ 44.7104, 53.3186,
68.2574

■ 49.2815, 56.4150,
68.6142

■ 54.5733, 59.8930,
69.0066

Harmonies

Analogous

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



27.7959, 40.5699, 46.8965



29.4918, 40.5699, 66.5980



33.6162, 40.5699, 82.9806

Triad

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



29.4918, 40.5699, 66.5980



50.4264, 40.5699, 60.7035



37.6361, 40.5699, 18.0146

Complementary

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



29.4918, 40.5699, 66.5980



26.5640, 14.0935, 1.3215

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.



43.9672, 40.5699, 19.8639



29.4918, 40.5699, 66.5980



51.7973, 40.5699, 41.5584

Square

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



29.4918, 40.5699, 66.5980



45.7524, 40.5699, 78.9836



49.3202, 40.5699, 27.4498



32.1647, 40.5699, 21.4718

Rectangle

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



29.4918, 40.5699, 66.5980



37.4132, 40.5699, 87.9437



49.3202, 40.5699, 27.4498



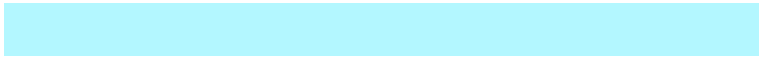
39.7310, 40.5699, 18.0459

Sweetspot

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



29.4931, 40.5714, 66.5990



69.8814, 83.4570, 107.0334



22.9361, 45.6557, 8.3101



14.3774, 17.4593, 22.8622



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.



29.4931, 40.5714, 66.5990



46.1731, 63.4661, 104.4244



14.6507, 10.8866, 61.6515



12.0526, 13.1955, 15.1554



18.2249, 25.0964, 41.0760



1.0490, 1.4632, 2.3067

Inverse Universe

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



35.3727, 17.1874, 49.0316



55.4352, 26.9381, 76.6811



33.6817, 28.3289, 3.6940



12.2575, 11.9877, 14.6316



21.8298, 10.6048, 30.3397



1.2357, 0.5990, 1.7762

Previews

White Background



This preview shows how the XYZ color 29.4918, 40.5699, 66.5980 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 29.4918, 40.5699, 66.5980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

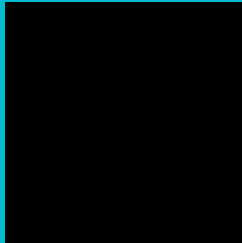
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.4918, 40.5699, 66.5980

Background



This preview shows how black text looks on a background with the XYZ color 29.4918, 40.5699, 66.5980.

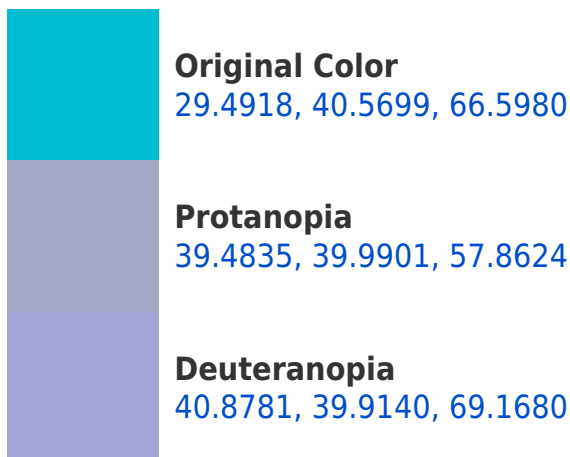


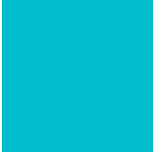
This preview shows how white text looks on a background with the XYZ color 29.4918, 40.5699,

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





Tritanopia

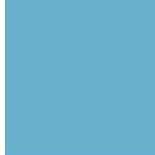
29.0967, 40.7548, 63.4597

Trichromacy



Original Color

29.4918, 40.5699, 66.5980



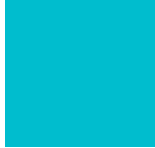
Protanomaly

31.6983, 37.8802, 60.8993



Deuteranomaly

32.7286, 37.9686, 67.8911



Tritanomaly

29.3382, 40.8514, 64.7313

Monochromacy



Original Color

29.4918, 40.5699, 66.5980



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

21.7349, 27.6157, 37.9030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4918, 40.5699, 66.5980 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, 188, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 209)  
}
```

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, 188, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 209) }
```

Border

The CSS property to change the border of an element to XYZ 29.4918, 40.5699, 66.5980 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, 188, 209) }
```


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

```
.border{ border-color:rgb(0, 188, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 188, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4918, 40.5699, 66.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 209) }
```

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

```
.background{ background-color: rgb(0, 188,  
209) }
```

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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