

Converting Colors

XYZ(17.0283, 33.7489, 66.7010)

Have a look what the booklet for
XYZ(17.0283, 33.7489, 66.7010)
contains.

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Color

**XYZ(29.4032, 40.1938,
67.1812)**

Conversions

Conversions Part 1

Format	Color
Hex	00BBD2
RGB	0, 187, 210
RGB Percent	0%, 73%, 82%
CMY	0.9998, 0.2667, 0.1765
CMYK	1.00, 0.11, 0.00, 0.18
HSL	187°, 100%, 41%
HSV	187°, 100%, 82%
XYZ	29.4032, 40.1938, 67.1812
YIQ	133.7090, -118.8350, -32.4910

Conversions

Conversions Part 2

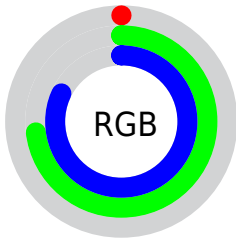
Format	Color
RYB	0, 99, 210
Decimal	48082
CIELab	69.61, -30.84, -22.67
CIELCh	70, 38.271, 216.317
Yxy	40.1938, 0.2150, 0.2939
Android (android.graphics.Color)	4278238162 (0xFF00BBD2)
YUV	133.7090, 37.6115, -117.2628
Hunter-Lab	63.3986, -28.1622, -18.4485

Details

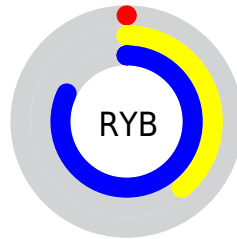
The XYZ color **29.4032, 40.1938, 67.1812** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **26.8863, 14.3167, 1.3478**, and the grayscale version is **22.4570, 23.6266, 25.7293**.

A 20% lighter version of the original color is **56.2264, 74.9246, 106.1062**, and **14.3039, 19.1416, 33.9512** is the 20% darker color. If you saturate the color by 10%, you get **29.4027, 40.1925, 67.1818**, and if you desaturate by 10%, it is **30.2062, 41.3389, 67.3607**.

Distribution



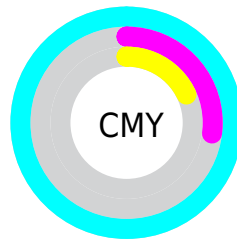
- Red (0%)
- Green (73%)
- Blue (82%)



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



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (27%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4032, 40.1938, 67.1812 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 29.4032, 40.1938, 67.1812 by changing the saturation by 10% instead.

■ 29.4032, 40.1938,
67.1812

■ 29.4032, 40.1938,
67.1812

291.0726,
346.9397, 469.1085

■ 19.5319, 27.6897,
48.7694

■ 58.1102, 75.4585,
116.8231

■ 12.1615, 18.0919,
34.0723

■ 77.6766, 98.9879,
148.8903

■ 6.9267, 11.0160,
22.6713

■ 101.2054,
126.9612, 186.3464

■ 3.4622, 6.0776,
14.1480

■ 129.0619,
159.7628, 229.6098

■ 1.4027, 2.8923,
8.0837

■ 161.6116,
197.7770, 279.0992

■ 0.2581, 1.0758,
4.0600

199.2196,

■ 0.0000, 0.0000,

241.3883, 335.2331

1.6583

242.2516,
290.9811, 398.4300

■ 0.0000, 0.0000,
0.3319

■ 0.0000, 0.0000,
0.0000

■ 29.4032, 40.1938,
67.1812

■ 29.4032, 40.1938,
67.1812

■ 29.4027, 40.1925,
67.1818

■ 30.2062, 41.3389,
67.3607

■ 31.3526, 42.6718,
67.5575

■ 32.9566, 44.2524,
67.7781

■ 35.0798, 46.1124,
68.0252

■ 37.7744, 48.2788,
68.3013

■ 41.0861, 50.7752,
68.6086

■ 45.0558, 53.6228,
68.9490

■ 49.7211, 56.8408,
69.3243

■ 55.1166, 60.4474,
69.7361

Harmonies

Analogous

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



27.5643, 40.1938, 47.6179



29.4032, 40.1938, 67.1812



33.6245, 40.1938, 82.9294

Triad

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



29.4032, 40.1938, 67.1812



50.1556, 40.1938, 58.9123



36.9100, 40.1938, 17.8988

Complementary

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



29.4032, 40.1938, 67.1812



26.8863, 14.3167, 1.3478

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.



43.1794, 40.1938, 19.4050



29.4032, 40.1938, 67.1812



51.2776, 40.1938, 40.1243

Square

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



29.4032, 40.1938, 67.1812



45.6844, 40.1938, 77.3248



48.6037, 40.1938, 26.5397



31.5865, 40.1938, 21.6656

Rectangle

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



29.4032, 40.1938, 67.1812



37.4445, 40.1938, 87.2862



48.6037, 40.1938, 26.5397



38.9717, 40.1938, 17.8238

Sweetspot

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



29.4045, 40.1952, 67.1822



69.6697, 83.0335, 106.9628



23.1833, 46.1484, 8.3974



14.3261, 17.3566, 22.8450



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.



29.4045, 40.1952, 67.1822



45.5373, 62.1945, 104.2124



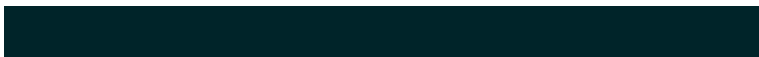
14.8064, 10.9990, 62.3161



12.0432, 13.1766, 15.1523



17.9805, 24.6076, 40.9946



1.0377, 1.4406, 2.3029

Inverse Universe

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



35.5491, 17.2909, 48.4789



55.1143, 26.8097, 74.9911



34.0425, 28.6290, 3.7332



12.2527, 11.9858, 14.6064



21.7065, 10.5554, 29.6901



1.2300, 0.5967, 1.7460

Previews

White Background



This preview shows how the XYZ color 29.4032, 40.1938, 67.1812 looks on a white background.

Color Contrast Check

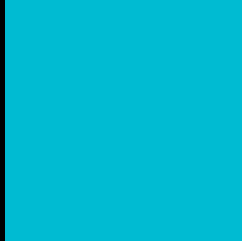
Large Text (above 18pt) WCAG AA × Fail

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 29.4032, 40.1938, 67.1812 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

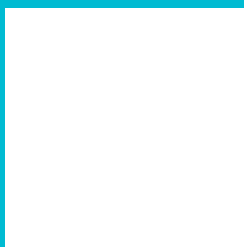
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4032, 40.1938, 67.1812

Background



This preview shows how black text looks on a background with the XYZ color 29.4032, 40.1938, 67.1812.



This preview shows how white text looks on a background with the XYZ color 29.4032, 40.1938,

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

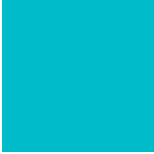
29.4032, 40.1938, 67.1812

Protanopia

39.0010, 39.4552, 58.3834

Deuteranopia

40.5999, 39.7558, 69.8238



Tritanopia

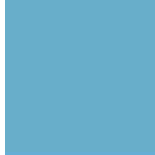
28.7627, 40.2782, 62.7584

Trichromacy



Original Color

29.4032, 40.1938, 67.1812



Protanomaly

31.5056, 37.4794, 61.4508



Deuteranomaly

32.6258, 37.9010, 68.5468



Tritanomaly

29.1238, 40.4227, 64.6599

Monochromacy



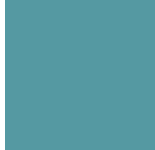
Original Color

29.4032, 40.1938, 67.1812



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

21.6591, 27.3224, 38.3146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4032, 40.1938, 67.1812 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, 187, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 210)  
}
```

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, 187, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 210) }
```

Border

The CSS property to change the border of an element to XYZ 29.4032, 40.1938, 67.1812 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, 187, 210) }
```


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

```
.border{ border-color:rgb(0, 187, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 187, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4032, 40.1938, 67.1812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 210) }
```

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

```
.background{ background-color: rgb(0, 187,  
210) }
```

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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