

Converting Colors

XYZ(32.0407, 46.2209, 71.9593)

Have a look what the booklet for
XYZ(32.0407, 46.2209, 71.9593)
contains.

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Color

**XYZ(33.2813, 46.7312,
72.2317)**

Conversions

Conversions Part 1

Format	Color
Hex	00C9D8
RGB	0, 201, 216
RGB Percent	0%, 79%, 85%
CMY	0.9998, 0.2118, 0.1529
CMYK	1.00, 0.07, 0.00, 0.15
HSL	184°, 100%, 42%
HSV	184°, 100%, 85%
XYZ	33.2813, 46.7312, 72.2317
YIQ	142.6110, -124.6110, -37.9470

Conversions

Conversions Part 2

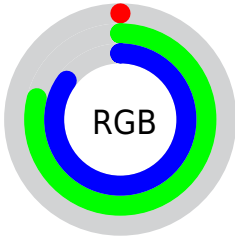
Format	Color
RYB	0, 104, 216
Decimal	51672
CIELab	74.02, -35.59, -19.23
CIELCh	74, 40.451, 208.380
Yxy	46.7312, 0.2186, 0.3069
Android (android.graphics.Color)	4278241752 (0xFF00C9D8)
YUV	142.6110, 36.1808, -125.0698
Hunter-Lab	68.3602, -32.7273, -14.7956

Details

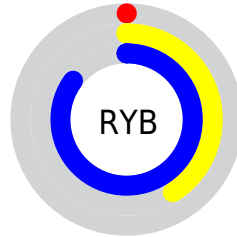
The XYZ color **33.2813, 46.7312, 72.2317** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **28.4910, 14.9422, 1.3839**, and the grayscale version is **25.8559, 27.2024, 29.6234**.

A 20% lighter version of the original color is **59.9943, 81.9281, 107.2594**, and **16.7119, 23.1310, 37.3021** is the 20% darker color. If you saturate the color by 10%, you get **33.2814, 46.7310, 72.2326**, and if you desaturate by 10%, it is **33.9568, 47.6021, 72.3651**.

Distribution



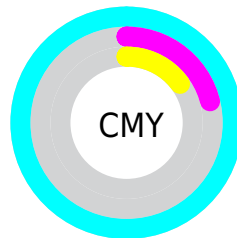
- Red (0%)
- Green (79%)
- Blue (85%)



- Red (0%)
- Yellow (41%)
- Blue (85%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (21%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2813, 46.7312, 72.2317 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 33.2813, 46.7312, 72.2317 by changing the saturation by 10% instead.

33.2813, 46.7312,
72.2317

33.2813, 46.7312,
72.2317

308.5580,
373.7406, 487.3469

22.5023, 32.8232,
52.8600

64.1662, 85.3123,
124.0967

14.3451, 21.9910,
37.3040

85.0028, 110.7541,
157.4270

8.4444, 13.8503,
25.1454

109.9227,
140.8094, 196.2473

4.4348, 8.0166,
15.9654

139.2911,
175.8624, 240.9761

1.9509, 4.1056,
9.3456

173.4735,
216.2977, 292.0319

0.6062, 1.7328,
4.8674

212.8352,

0.0000, 0.4448,

262.4995, 349.8332

2.1123

257.7416,
314.8524, 414.7987

■ 0.0000, 0.0000,
0.6231

■ 0.0000, 0.0000,
0.0000

■ 33.2813, 46.7312,
72.2317

■ 33.2813, 46.7312,
72.2317

■ 33.2814, 46.7310,
72.2326

■ 33.9568, 47.6021,
72.3651

■ 34.9952, 48.6642,
72.5154

■ 36.5167, 49.9805,
72.6892

■ 38.5877, 51.5851,
72.8898

■ 41.2640, 53.5070,
73.1197

■ 44.5946, 55.7712,
73.3812

■ 48.6233, 58.4005,
73.6764

■ 53.3904, 61.4157,
74.0071

■ 58.9329, 64.8357,
74.3751

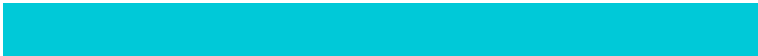
Harmonies

Analogous

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



31.9274, 46.7312, 49.7656



33.2813, 46.7312, 72.2317



37.5242, 46.7312, 92.8355

Triad

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



33.2813, 46.7312, 72.2317



57.3271, 46.7312, 74.7209



44.8106, 46.7312, 20.5748

Complementary

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



33.2813, 46.7312, 72.2317



28.4910, 14.9422, 1.3839

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.



52.1052, 46.7312, 23.9668



33.2813, 46.7312, 72.2317



59.8000, 46.7312, 52.0156

Square

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



33.2813, 46.7312, 72.2317



51.3520, 46.7312, 94.5254



57.7940, 46.7312, 34.2181



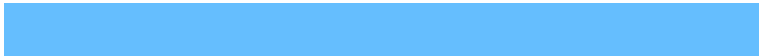
38.1355, 46.7312, 23.2922

Rectangle

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



33.2813, 46.7312, 72.2317



41.6768, 46.7312, 100.6463



57.7940, 46.7312, 34.2181



47.2739, 46.7312, 21.0151

Sweetspot

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



33.2828, 46.7329, 72.2328



70.6134, 84.9210, 107.2774



24.6391, 49.1457, 8.6189



14.5553, 17.8150, 22.9214



0.0000, 0.0000, 0.0000



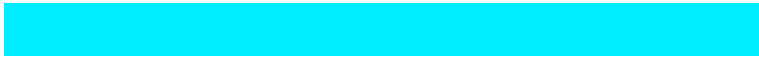
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.2828, 46.7329, 72.2328



48.4181, 67.9563, 105.1727



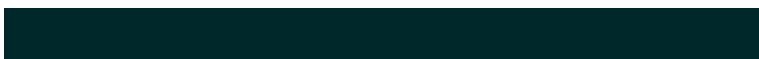
16.3651, 12.8976, 66.5936



12.7149, 13.9533, 15.9606



19.7318, 27.7254, 42.7647



1.2128, 1.7176, 2.5869

Inverse Universe

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



38.8628, 18.8174, 56.8440



56.5684, 27.3914, 82.6484



35.3310, 28.6221, 3.6638



12.9141, 12.6171, 15.4877



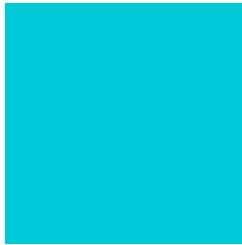
23.0186, 11.1437, 33.7314



1.3998, 0.6767, 2.0947

Previews

White Background



This preview shows how the XYZ color 33.2813, 46.7312, 72.2317 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 33.2813, 46.7312, 72.2317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

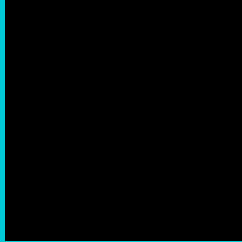
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

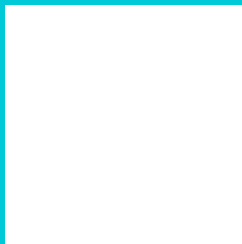
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2813, 46.7312, 72.2317

Background



This preview shows how black text looks on a background with the XYZ color 33.2813, 46.7312, 72.2317.



This preview shows how white text looks on a background with the XYZ color 33.2813, 46.7312,

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

33.2813, 46.7312, 72.2317

Protanopia

45.1409, 45.9694, 62.3709

Deuteranopia

47.1334, 46.1297, 74.8263



Tritanopia

33.5626, 46.8612, 72.9218

Trichromacy



Original Color

33.2813, 46.7312, 72.2317



Protanomaly

35.8429, 43.5564, 65.5496



Deuteranomaly

37.1551, 43.7430, 73.5028



Tritanomaly

33.5112, 46.8347, 72.9194

Monochromacy



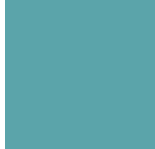
Original Color

33.2813, 46.7312, 72.2317



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.8455, 31.6773, 42.8351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2813, 46.7312, 72.2317 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, 201, 216)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 216)  
}
```

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, 201, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 216) }
```

Border

The CSS property to change the border of an element to XYZ 33.2813, 46.7312, 72.2317 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, 201, 216) }
```


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

```
.border{ border-color:rgb(0, 201, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 201, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 216);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2813, 46.7312, 72.2317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 216) }
```

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

```
.background{ background-color: rgb(0, 201,  
216) }
```

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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