

Converting Colors

XYZ(15.6498, 37.6493, 69.0506)

Have a look what the booklet for
XYZ(15.6498, 37.6493, 69.0506)
contains.

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Color

**XYZ(32.7703, 46.5268,
69.5407)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00C9D4 |
| RGB | 0, 201, 212 |
| RGB Percent | 0%, 79%, 83% |
| CMY | 0.9998, 0.2118, 0.1686 |
| CMYK | 1.00, 0.05, 0.00, 0.17 |
| HSL | 183°, 100%, 42% |
| HSV | 183°, 100%, 83% |
| XYZ | 32.7703, 46.5268, 69.5407 |
| YIQ | 142.1550, -123.3270, -39.1910 |

Conversions

Conversions Part 2

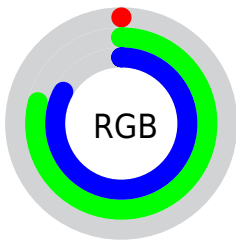
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 103, 212 |
| Decimal | 51668 |
| CIELab | 73.89, -36.84, -17.26 |
| CIELCh | 74, 40.679, 205.106 |
| Yxy | 46.5268, 0.2202, 0.3126 |
| Android (android.graphics.Color) | 4278241748 (0xFF00C9D4) |
| YUV | 142.1550, 34.4336, -124.6699 |
| Hunter-Lab | 68.2106, -33.6120, -12.6988 |

Details

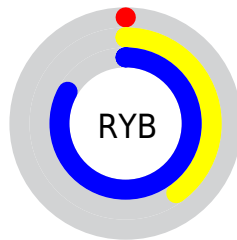
The XYZ color **32.7703, 46.5268, 69.5407** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.2722, 14.2377, 1.3121**, and the grayscale version is **25.6816, 27.0191, 29.4238**.

A 20% lighter version of the original color is **59.8734, 81.8658, 107.2538**, and **16.3647, 22.9921, 35.4737** is the 20% darker color. If you saturate the color by 10%, you get **32.7706, 46.5270, 69.5416**, and if you desaturate by 10%, it is **33.3431, 47.2051, 69.6423**.

Distribution



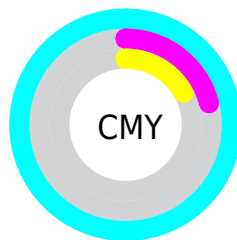
- Red (0%)
- Green (79%)
- Blue (83%)



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



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (21%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7703, 46.5268, 69.5407 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 32.7703, 46.5268, 69.5407 by changing the saturation by 10% instead.

32.7703, 46.5268,
69.5407

32.7703, 46.5268,
69.5407

306.2967,
372.9225, 477.6812

22.1089, 32.6617,
50.6777

63.3738, 85.0069,
120.2285

14.0540, 21.8674,
35.5772

84.0467, 110.3906,
152.8904

8.2402, 13.7595,
23.8208

108.7874,
140.3827, 190.9889

4.3021, 7.9536,
14.9897

137.9614,
175.3676, 234.9427

1.8744, 4.0653,
8.6656

171.9340,
215.7296, 285.1703

0.5619, 1.7101,
4.4299

211.0705,

0.0000, 0.4302,

261.8532, 342.0902

1.8640

255.7363,
314.1227, 406.1210

■ 0.0000, 0.0000,
0.4697

■ 0.0000, 0.0000,
0.0000

■ 32.7703, 46.5268,
69.5407

■ 32.7703, 46.5268,
69.5407

■ 32.7706, 46.5270,
69.5416

■ 33.3431, 47.2051,
69.6423

■ 34.2610, 48.0631,
69.7596

■ 35.6404, 49.1618,
69.8989

■ 37.5443, 50.5335,
70.0633

■ 40.0261, 52.2060,
70.2554

■ 43.1326, 54.2032,
70.4771

■ 46.9056, 56.5469,
70.7306

■ 51.3836, 59.2567,
71.0177

■ 56.6020, 62.3510,
71.3399

Harmonies

Analogous

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



31.7451, 46.5268, 47.3320



32.7703, 46.5268, 69.5407



36.7230, 46.5268, 90.9296

Triad

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



32.7703, 46.5268, 69.5407



56.6593, 46.5268, 77.0787



45.4214, 46.5268, 20.4018

Complementary

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



32.7703, 46.5268, 69.5407



27.2722, 14.2377, 1.3121

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.



52.6789, 46.5268, 24.4787



32.7703, 46.5268, 69.5407



59.6032, 46.5268, 54.1399

Square

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



32.7703, 46.5268, 69.5407



50.3996, 46.5268, 96.0493



58.0727, 46.5268, 35.5489



38.5717, 46.5268, 22.4422

Rectangle

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



32.7703, 46.5268, 69.5407



40.7378, 46.5268, 99.8177



58.0727, 46.5268, 35.5489



47.9001, 46.5268, 21.0603

Sweetspot

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



32.7718, 46.5285, 69.5418



71.0317, 85.7576, 107.4168



23.6028, 47.1112, 8.1553



14.6570, 18.0185, 22.9554



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.



32.7718, 46.5285, 69.5418



49.7331, 70.5863, 105.6110



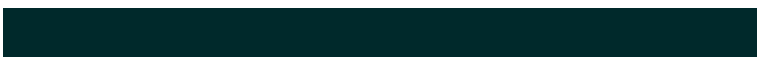
16.0152, 13.0153, 63.9563



12.7344, 13.9923, 15.9671



20.2540, 28.7698, 42.9388



1.2389, 1.7698, 2.5956

Inverse Universe

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



37.6952, 18.2155, 56.7893



57.2322, 27.6569, 86.1437



33.4693, 26.6320, 3.3778



12.9239, 12.6211, 15.5395



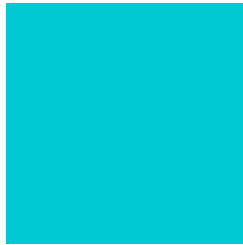
23.2821, 11.2492, 35.1194



1.4130, 0.6820, 2.1642

Previews

White Background



This preview shows how the XYZ color 32.7703, 46.5268, 69.5407 looks on a white background.

Color Contrast Check

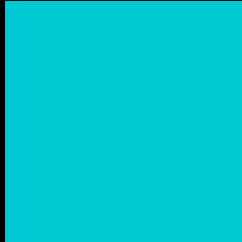
Large Text (above 18pt) WCAG AA × Fail

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 32.7703, 46.5268, 69.5407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

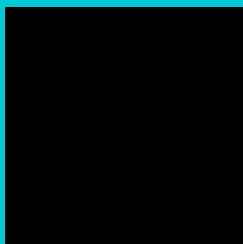
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

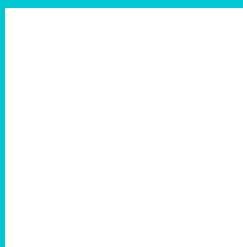
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7703, 46.5268, 69.5407

Background



This preview shows how black text looks on a background with the XYZ color 32.7703, 46.5268, 69.5407.



This preview shows how white text looks on a background with the XYZ color 32.7703, 46.5268,

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

32.7703, 46.5268, 69.5407

Protanopia

44.6732, 45.7824, 59.9084

Deuteranopia

46.7706, 45.6963, 72.6849



Tritanopia

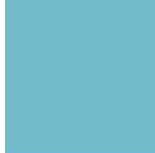
33.5095, 46.4889, 72.8528

Trichromacy



Original Color

32.7703, 46.5268, 69.5407



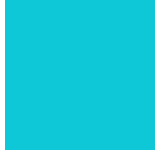
Protanomaly

35.3599, 43.3632, 63.0062



Deuteranomaly

36.6831, 43.2332, 71.3772



Tritanomaly

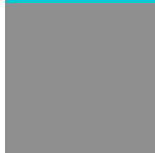
33.1011, 46.3082, 71.4837

Monochromacy



Original Color

32.7703, 46.5268, 69.5407



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

24.2887, 31.1581, 41.2932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7703, 46.5268, 69.5407 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 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, 201, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 212) }
```

Border

The CSS property to change the border of an element to XYZ 32.7703, 46.5268, 69.5407 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, 212) }
```


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

```
.border{ border-color:rgb(0, 201, 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, 201, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7703, 46.5268, 69.5407 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, 212) }
```

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

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