

Converting Colors

XYZ(29.0048, 40.5710, 63.4290)

Have a look what the booklet for
XYZ(29.0048, 40.5710, 63.4290)
contains.

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Color

**XYZ(29.0967, 40.7548,
63.4597)**

Conversions

Conversions Part 1

Format	Color
Hex	00BDCC
RGB	0, 189, 204
RGB Percent	0%, 74%, 80%
CMY	0.9998, 0.2588, 0.2000
CMYK	1.00, 0.07, 0.00, 0.20
HSL	184°, 100%, 40%
HSV	184°, 100%, 80%
XYZ	29.0967, 40.7548, 63.4597
YIQ	134.1990, -117.4590, -35.4030

Conversions

Conversions Part 2

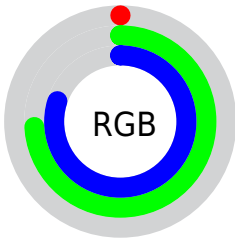
Format	Color
RYB	0, 98, 204
Decimal	48588
CIELab	70.00, -33.73, -18.78
CIELCh	70, 38.601, 209.110
Yxy	40.7548, 0.2183, 0.3057
Android (android.graphics.Color)	4278238668 (0xFF00BDCC)
YUV	134.1990, 34.4119, -117.6925
Hunter-Lab	63.8395, -30.3625, -14.2496

Details

The XYZ color **29.0967, 40.7548, 63.4597** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **25.0740, 13.1807, 1.2240**, and the grayscale version is **22.6473, 23.8267, 25.9473**.

A 20% lighter version of the original color is **56.7147, 76.0746, 106.3024**, and **14.1690, 19.5300, 31.8770** is the 20% darker color. If you saturate the color by 10%, you get **29.0966, 40.7544, 63.4604**, and if you desaturate by 10%, it is **29.7195, 41.5583, 63.5827**.

Distribution



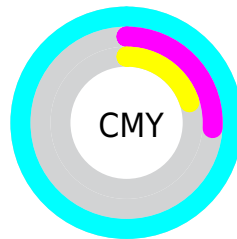
- Red (0%)
- Green (74%)
- Blue (80%)



- Red (0%)
- Yellow (38%)
- Blue (80%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (26%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0967, 40.7548, 63.4597 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 29.0967, 40.7548, 63.4597 by changing the saturation by 10% instead.

■ 29.0967, 40.7548,
63.4597

■ 29.0967, 40.7548,
63.4597

289.6569,
349.2948, 455.3897

■ 19.2986, 28.1275,
45.7698

■ 57.6272, 76.3115,
111.4244

■ 11.9915, 18.4218,
31.7169

■ 77.0903, 100.0098,
142.5363

■ 6.8101, 11.2533,
20.8823

■ 100.5058,
128.1672, 178.9593

■ 3.3889, 6.2374,
12.8476

■ 128.2391,
161.1681, 221.1120

■ 1.3626, 2.9900,
7.1942

■ 160.6555,
199.3969, 269.4128

■ 0.2293, 1.1265,
3.5036

198.1204,

■ 0.0000, 0.0004,

243.2380, 324.2803

1.3572

240.9991,
293.0758, 386.1331

■ 0.0000, 0.0000,
0.1080

■ 0.0000, 0.0000,
0.0000

■ 29.0967, 40.7548,
63.4597

■ 29.0967, 40.7548,
63.4597

■ 29.0966, 40.7544,
63.4604

■ 29.7195, 41.5583,
63.5827

■ 30.6580, 42.5286,
63.7206

■ 32.0205, 43.7225,
63.8792

■ 33.8644, 45.1696,
64.0613

■ 36.2381, 46.8948,
64.2692

■ 39.1841, 48.9201,
64.5049

■ 42.7406, 51.2652,
64.7701

■ 46.9424, 53.9480,
65.0664

■ 51.8218, 56.9852,
65.3955

Harmonies

Analogous

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



27.8530, 40.7548, 43.8390



29.0967, 40.7548, 63.4597



32.8501, 40.7548, 81.2531

Triad

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



29.0967, 40.7548, 63.4597



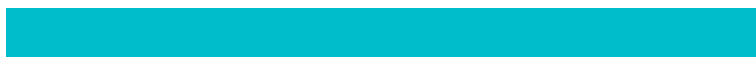
50.0760, 40.7548, 64.6505



38.9245, 40.7548, 17.9607

Complementary

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



29.0967, 40.7548, 63.4597



25.0740, 13.1807, 1.2240

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.



45.2866, 40.7548, 20.7844



29.0967, 40.7548, 63.4597



52.1388, 40.7548, 44.9155

Square

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



29.0967, 40.7548, 63.4597



44.9263, 40.7548, 82.0614



50.2993, 40.7548, 29.5607



33.1426, 40.7548, 20.4615

Rectangle

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



29.0967, 40.7548, 63.4597



36.4948, 40.7548, 87.8470



50.2993, 40.7548, 29.5607



41.0676, 40.7548, 18.3021

Sweetspot

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



29.0980, 40.7563, 63.4607



70.5165, 84.7271, 107.2451



21.6707, 43.2174, 7.6026



14.5317, 17.7679, 22.9136



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.



29.0980, 40.7563, 63.4607



48.1167, 67.3533, 105.0722



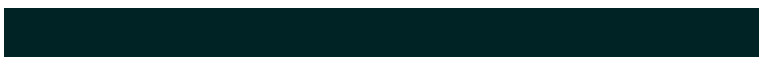
14.4248, 11.4100, 58.5696



11.4699, 12.5803, 14.3941



18.3432, 25.7104, 39.9521



0.9679, 1.3695, 2.0683

Inverse Universe

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



34.0883, 16.5128, 49.5362



56.4163, 27.3305, 81.8471



31.1044, 25.2414, 3.2341



11.6506, 11.3890, 13.9604



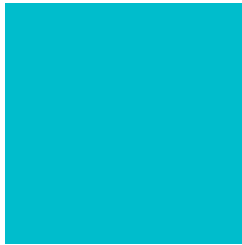
21.4697, 10.3985, 31.2559



1.1185, 0.5408, 1.6698

Previews

White Background



This preview shows how the XYZ color 29.0967, 40.7548, 63.4597 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 29.0967, 40.7548, 63.4597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

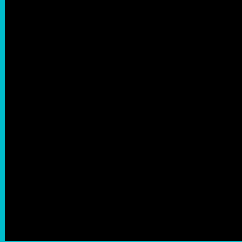
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

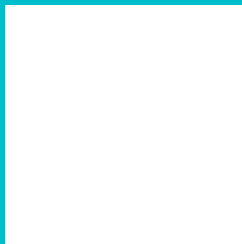
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.0967, 40.7548, 63.4597

Background



This preview shows how black text looks on a background with the XYZ color 29.0967, 40.7548, 63.4597.

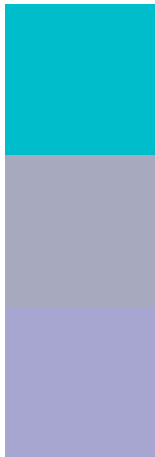


This preview shows how white text looks on a background with the XYZ color 29.0967, 40.7548,

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

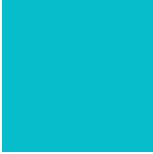
29.0967, 40.7548, 63.4597

Protanopia

39.5283, 40.3530, 54.9958

Deuteranopia

41.0812, 40.0914, 65.8948



Tritanopia

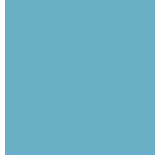
29.1843, 40.8000, 63.4638

Trichromacy



Original Color

29.0967, 40.7548, 63.4597



Protanomaly

31.4330, 38.1004, 57.9220



Deuteranomaly

32.3424, 37.8413, 64.6310



Tritanomaly

29.1467, 40.7806, 63.4620

Monochromacy



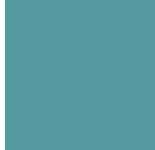
Original Color

29.0967, 40.7548, 63.4597



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

21.5599, 27.5457, 36.9814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0967, 40.7548, 63.4597 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, 189, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 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, 189, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 204) }
```

Border

The CSS property to change the border of an element to XYZ 29.0967, 40.7548, 63.4597 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, 189, 204) }
```


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

```
.border{ border-color:rgb(0, 189, 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, 189, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0967, 40.7548, 63.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 204) }
```

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

```
.background{ background-color: rgb(0, 189,  
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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