

Converting Colors

XYZ(29.0908, 42.1757, 59.0411)

Have a look what the booklet for
XYZ(29.0908, 42.1757, 59.0411)
contains.

XYZ(29.0338, 42.1255, 58.8253)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.0338, 42.1255,
58.8253)**

Conversions

Conversions Part 1

Format	Color
Hex	00C1C4
RGB	0, 193, 196
RGB Percent	0%, 76%, 77%
CMY	0.9998, 0.2431, 0.2314
CMYK	1.00, 0.02, 0.00, 0.23
HSL	181°, 100%, 38%
HSV	181°, 100%, 77%
XYZ	29.0338, 42.1255, 58.8253
YIQ	135.6350, -115.9910, -39.9830

Conversions

Conversions Part 2

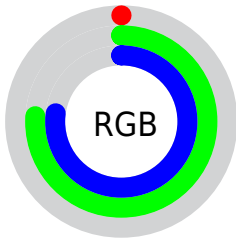
Format	Color
RYB	0, 97, 196
Decimal	49604
CIELab	70.96, -38.08, -12.96
CIELCh	71, 40.225, 198.803
Yxy	42.1255, 0.2234, 0.3241
Android (android.graphics.Color)	4278239684 (0xFF00C1C4)
YUV	135.6350, 29.7599, -118.9519
Hunter-Lab	64.9042, -33.7333, -8.3040

Details

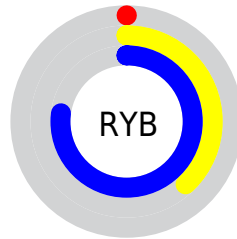
The XYZ color **29.0338, 42.1255, 58.8253** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **22.7985, 11.8021, 1.0777**, and the grayscale version is **23.1942, 24.4021, 26.5738**.

A 20% lighter version of the original color is **57.6241, 78.4061, 105.0253**, and **14.1151, 20.4182, 28.7884** is the 20% darker color. If you saturate the color by 10%, you get **29.0344, 42.1265, 58.8262**, and if you desaturate by 10%, it is **29.3822, 42.4045, 58.8616**.

Distribution



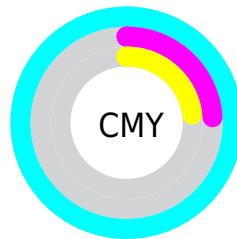
- Red (0%)
- Green (76%)
- Blue (77%)



- Red (0%)
- Yellow (38%)
- Blue (77%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (24%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0338, 42.1255, 58.8253 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 29.0338, 42.1255, 58.8253 by changing the saturation by 10% instead.

■ 29.0338, 42.1255,
58.8253

■ 29.0338, 42.1255,
58.8253

289.3657,
355.0029, 437.9380

■ 19.2508, 29.1996,
42.0534

■ 57.5280, 78.3895,
104.6503

■ 11.9567, 19.2318,
28.8172

■ 76.9699, 102.4964,
134.5406

■ 6.7862, 11.8379,
18.6982

■ 100.3621,
131.0991, 169.6407

■ 3.3739, 6.6334,
11.2778

■ 128.0700,
164.5819, 210.3692

■ 1.3544, 3.2339,
6.1375

■ 160.4590,
203.3293, 257.1446

■ 0.2234, 1.2550,
2.8587

197.8943,

■ 0.0000, 0.1060,

247.7257, 310.3856

1.0230

240.7415,
298.1554, 370.5105

■ 0.0000, 0.0000,
0.0000

■ 29.0338, 42.1255,
58.8253

■ 29.0338, 42.1255,
58.8253

■ 29.0344, 42.1265,
58.8262

■ 29.3822, 42.4045,
58.8616

■ 30.0134, 42.8286,
58.9102

■ 31.0284, 43.4508,
58.9768

■ 32.4792, 44.2979,
59.0638

■ 34.4095, 45.3923,
59.1733

■ 36.8578, 46.7539,
59.3071

■ 39.8586, 48.4006,
59.4668

■ 43.4436, 50.3487,
59.6538

■ 47.6419, 52.6131,
59.8696

Harmonies

Analogous

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



28.6781, 42.1255, 39.0653



29.0338, 42.1255, 58.8253



32.1344, 42.1255, 79.6321

Triad

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



29.0338, 42.1255, 58.8253



50.5431, 42.1255, 74.7344



42.5948, 42.1255, 18.3472

Complementary

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



29.0338, 42.1255, 58.8253



22.7985, 11.8021, 1.0777

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.



49.1440, 42.1255, 23.3190



29.0338, 42.1255, 58.8253



54.0625, 42.1255, 53.4167

Square

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



29.0338, 42.1255, 58.8253



44.3392, 42.1255, 90.4436



53.5237, 42.1255, 34.9677



36.0262, 42.1255, 19.0439

Rectangle

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



29.0338, 42.1255, 58.8253



35.5564, 42.1255, 89.6163



53.5237, 42.1255, 34.9677



44.8834, 42.1255, 19.3391

Sweetspot

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



29.0351, 42.1271, 58.8263



71.9128, 87.5197, 107.7105



19.7410, 39.4808, 6.5813



14.8717, 18.4479, 23.0269



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.



29.0351, 42.1271, 58.8263



52.5779, 76.2757, 106.5593



14.3343, 12.7254, 53.9260



10.3549, 11.4011, 12.9397



18.6618, 27.0801, 37.8000



0.8106, 1.1786, 1.6347

Inverse Universe

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



32.3917, 15.5873, 51.7552



58.6681, 28.2312, 93.7050



27.1353, 20.4756, 2.5232



10.4904, 10.2448, 12.6732



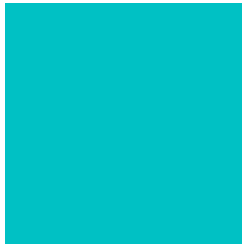
20.8156, 10.0160, 33.2706



0.9015, 0.4336, 1.4489

Previews

White Background



This preview shows how the XYZ color 29.0338, 42.1255, 58.8253 looks on a white background.

Color Contrast Check

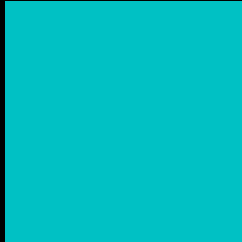
Large Text (above 18pt) WCAG AA × Fail

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 29.0338, 42.1255, 58.8253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

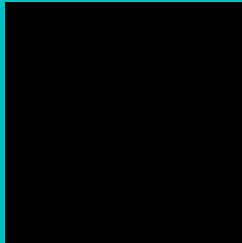
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

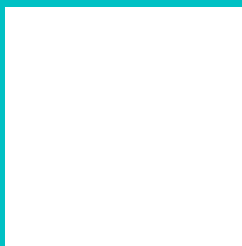
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.0338, 42.1255, 58.8253

Background



This preview shows how black text looks on a background with the XYZ color 29.0338, 42.1255, 58.8253.

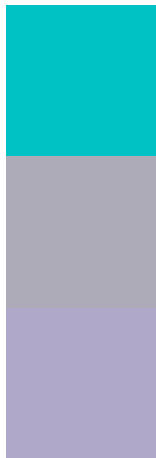


This preview shows how white text looks on a background with the XYZ color 29.0338, 42.1255,

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

29.0338, 42.1255, 58.8253

Protanopia

40.3437, 41.4290, 50.6700

Deuteranopia

42.2244, 41.3363, 61.0116



Tritanopia

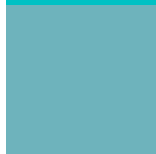
30.4890, 42.0737, 65.5456

Trichromacy



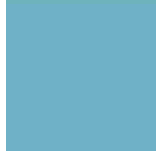
Original Color

29.0338, 42.1255, 58.8253



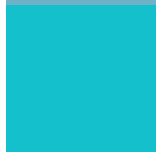
Protanomaly

31.6276, 39.1860, 53.4737



Deuteranomaly

32.5865, 38.9473, 59.8329



Tritanomaly

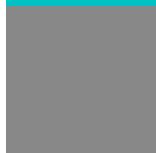
29.9176, 42.1598, 63.0607

Monochromacy



Original Color

29.0338, 42.1255, 58.8253



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

22.1590, 28.6088, 36.7019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0338, 42.1255, 58.8253 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, 193, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 196)  
}
```

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, 193, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 196) }
```

Border

The CSS property to change the border of an element to XYZ 29.0338, 42.1255, 58.8253 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, 193, 196) }
```


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

```
.border{ border-color:rgb(0, 193, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 193, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0338, 42.1255, 58.8253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 196) }
```

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

```
.background{ background-color: rgb(0, 193,  
196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor