

Converting Colors

XYZ(29.8847, 42.1637, 62.1005)

Have a look what the booklet for
XYZ(29.8847, 42.1637, 62.1005)
contains.

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Color

**XYZ(29.8442, 42.1493,
61.8210)**

Conversions

Conversions Part 1

Format	Color
Hex	1BC0C9
RGB	27, 192, 201
RGB Percent	11%, 75%, 79%
CMY	0.8940, 0.2470, 0.2118
CMYK	0.87, 0.04, 0.00, 0.21
HSL	183°, 76%, 45%
HSV	183°, 87%, 79%
XYZ	29.8442, 42.1493, 61.8210
YIQ	143.6910, -101.2290, -32.1810

Conversions

Conversions Part 2

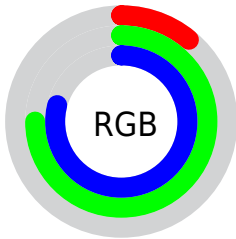
Format	Color
RYB	27, 112, 201
Decimal	1818825
CIELab	70.97, -35.04, -15.66
CIELCh	71, 38.383, 204.073
Yxy	42.1493, 0.2230, 0.3150
Android (android.graphics.Color)	4280008905 (0xFF1BC0C9)
YUV	143.6910, 28.2533, -102.3380
Hunter-Lab	64.9225, -31.5598, -11.0118

Details

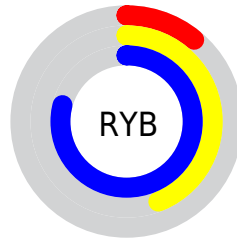
The XYZ color **29.8442, 42.1493, 61.8210** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **24.9172, 13.7597, 2.3807**, and the grayscale version is **26.3071, 27.6771, 30.1404**.

A 20% lighter version of the original color is **58.3561, 78.2864, 106.6428**, and **14.3549, 20.2835, 30.7623** is the 20% darker color. If you saturate the color by 10%, you get **29.2521, 41.5073, 61.7291**, and if you desaturate by 10%, it is **30.7999, 42.9829, 61.9323**.

Distribution



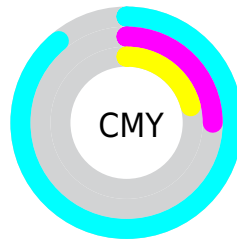
- Red (11%)
- Green (75%)
- Blue (79%)



- Red (11%)
- Yellow (44%)
- Blue (79%)



- Cyan (87%)
- Magenta (4%)
- Yellow (0%)
- Black (21%)



- Cyan (89%)
- Magenta (25%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8442, 42.1493, 61.8210 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 29.8442, 42.1493, 61.8210 by changing the saturation by 10% instead.

29.8442, 42.1493,
61.8210

29.8442, 42.1493,
61.8210

293.1004,
355.1015, 449.2675

19.8678, 29.2182,
44.4532

58.8040, 78.4255,
109.0359

12.4067, 19.2460,
30.6872

78.5182, 102.5395,
139.7200

7.0955, 11.8481,
20.1043

102.2090,
131.1498, 175.6801

3.5687, 6.6404,
12.2860

130.2419,
164.6410, 217.3346

1.4612, 3.2382,
6.8139

162.9821,
203.3973, 265.1020

0.2992, 1.2573,
3.2693

200.7950,

0.0000, 0.1078,

247.8032, 319.4009

1.2337

244.0460,
298.2432, 380.6499

■ 0.0000, 0.0000,
0.0065

■ 0.0000, 0.0000,
0.0000

■ 29.8442, 42.1493,
61.8210

■ 29.8442, 42.1493,
61.8210

■ 29.2521, 41.5073,
61.7291

■ 30.7999, 42.9829,
61.9323

■ 29.0876, 41.3068,
61.6990

■ 32.1826, 44.0382,
62.0631

■ 34.0455, 45.3435,
62.2169

■ 36.4331, 46.9216,
62.3957

■ 39.3847, 48.7929,
62.6013

■ 42.9360, 50.9758,
62.8355

■ 47.1196, 53.4871,
63.0997

■ 51.9660, 56.3424,
63.3954

■ 57.5033, 59.5564,
63.7239

Harmonies

Analogous

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



29.0264, 42.1493, 42.3495



29.8442, 42.1493, 61.8210



33.2665, 42.1493, 80.7537

Triad

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



29.8442, 42.1493, 61.8210



50.8748, 42.1493, 69.8326



41.3459, 42.1493, 19.0077

Complementary

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



29.8442, 42.1493, 61.8210



24.9172, 13.7597, 2.3807

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.



47.7243, 42.1493, 22.8628



29.8442, 42.1493, 61.8210



53.5897, 42.1493, 49.6298

Square

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



29.8442, 42.1493, 61.8210



45.2934, 42.1493, 86.1749



52.3796, 42.1493, 32.9674



35.2492, 42.1493, 20.6511

Rectangle

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



29.8442, 42.1493, 61.8210



36.7788, 42.1493, 88.8070



52.3796, 42.1493, 32.9674



43.5342, 42.1493, 19.6620

Sweetspot

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



29.8455, 42.1509, 61.8220



73.6377, 87.3521, 107.5873



21.6536, 42.1328, 8.6378



15.2770, 18.4017, 22.9967



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.



29.8455, 42.1509, 61.8220



49.7459, 70.6119, 105.6153



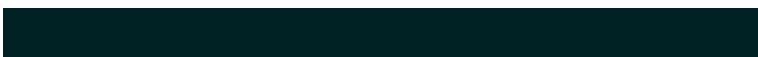
16.0786, 14.6171, 57.2331



10.8979, 11.9699, 13.6535



18.3101, 26.0141, 38.8005



0.8817, 1.2612, 1.8421

Inverse Universe

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



33.9948, 17.0083, 51.3620



57.2386, 27.6595, 86.1777



31.3328, 26.5908, 4.5192



11.0585, 10.8068, 13.2913



21.0414, 10.1661, 31.7576



1.0038, 0.4843, 1.5429

Previews

White Background



This preview shows how the XYZ color 29.8442, 42.1493, 61.8210 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 29.8442, 42.1493, 61.8210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

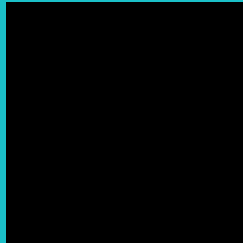
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

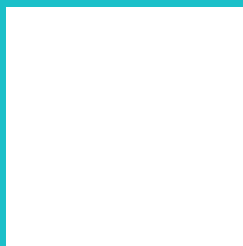
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8442, 42.1493, 61.8210

Background



This preview shows how black text looks on a background with the XYZ color 29.8442, 42.1493, 61.8210.

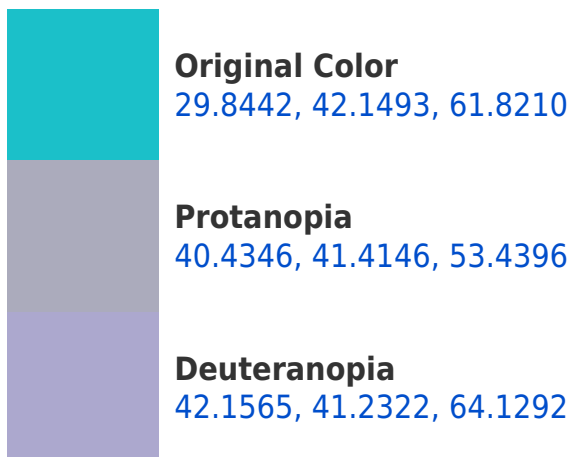


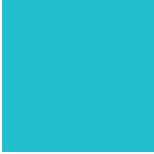
This preview shows how white text looks on a background with the XYZ color 29.8442, 42.1493,

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





Tritanopia

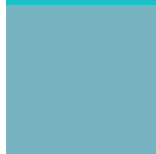
30.5864, 42.1239, 65.5501

Trichromacy



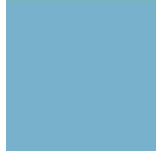
Original Color

29.8442, 42.1493, 61.8210



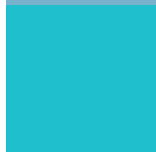
Protanomaly

33.3535, 40.0124, 56.4173



Deuteranomaly

34.2290, 39.7259, 62.9905



Tritanomaly

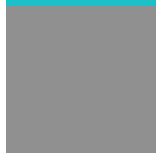
30.2459, 41.9765, 64.2657

Monochromacy



Original Color

29.8442, 42.1493, 61.8210



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.9032, 30.9731, 40.2632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8442, 42.1493, 61.8210 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(27, 192, 201)` looks like.

```
.text, #text, p{  
    color:rgb(27, 192, 201)  
}
```

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(27, 192, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 192, 201) }
```

Border

The CSS property to change the border of an element to XYZ 29.8442, 42.1493, 61.8210 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(27, 192, 201) }
```


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

```
.border{ border-color:rgb(27, 192, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 192, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 192, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 192, 201);  
box-shadow:4px 4px 4px 4px rgb(27, 192,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8442, 42.1493, 61.8210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 192, 201) }
```

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

```
.background{ background-color: rgb(27, 192,  
201) }
```

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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