

Converting Colors

XYZ(29.1455, 42.1805, 51.7300)

Have a look what the booklet for
XYZ(29.1455, 42.1805, 51.7300)
contains.

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Color

**XYZ(29.2972, 42.4128,
51.9898)**

Conversions

Conversions Part 1

Format	Color
Hex	37C1B8
RGB	55, 193, 184
RGB Percent	22%, 76%, 72%
CMY	0.7843, 0.2431, 0.2784
CMYK	0.71, 0.00, 0.05, 0.24
HSL	176°, 56%, 49%
HSV	176°, 71%, 76%
XYZ	29.2972, 42.4128, 51.9898
YIQ	150.7120, -79.3590, -32.0550

Conversions

Conversions Part 2

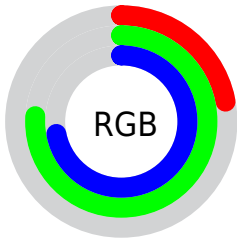
Format	Color
R _{YB}	55, 126, 193
Decimal	3654072
CIE Lab	71.15, -37.91, -6.05
CIE LCh	71, 38.394, 189.072
Yxy	42.4128, 0.2368, 0.3429
Android (android.graphics.Color)	4281844152 (0xFF37C1B8)
YUV	150.7120, 16.4110, -83.9394
Hunter-Lab	65.1251, -33.6689, -1.7440

Details

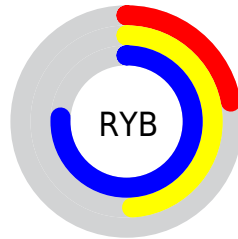
The XYZ color **29.2972, 42.4128, 51.9898** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **24.2853, 14.4412, 6.3593**, and the grayscale version is **29.2502, 30.7735, 33.5124**.

A 20% lighter version of the original color is **57.9398, 78.8001, 94.5943**, and **13.3294, 20.1039, 24.6506** is the 20% darker color. If you saturate the color by 10%, you get **28.3084, 41.9192, 51.2586**, and if you desaturate by 10%, it is **30.7029, 43.1231, 52.7486**.

Distribution



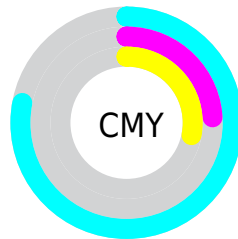
- Red (22%)
- Green (76%)
- Blue (72%)



- Red (22%)
- Yellow (49%)
- Blue (76%)



- Cyan (71%)
- Magenta (0%)
- Yellow (5%)
- Black (24%)



- Cyan (78%)
- Magenta (24%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2972, 42.4128, 51.9898 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 29.2972, 42.4128, 51.9898 by changing the saturation by 10% instead.

■ 29.2972, 42.4128,
51.9898

■ 29.2972, 42.4128,
51.9898

290.5836,
356.1913, 411.3531

■ 19.4512, 29.4247,
36.6148

■ 57.9432, 78.8240,
94.5426

■ 12.1027, 19.4023,
24.6159

■ 77.4740, 103.0158,
122.5575

■ 6.8863, 11.9613,
15.5747

■ 100.9636,
131.7111, 155.6227

■ 3.4368, 6.7174,
9.0726

■ 128.7776,
165.2940, 194.1568

■ 1.3887, 3.2860,
4.6911

■ 161.2812,
204.1491, 238.5784

■ 0.2482, 1.2828,
2.0117

198.8399,

■ 0.0000, 0.1278,

248.6608, 289.3059

0.5624

241.8189,
299.2134, 346.7580

■ 0.0000, 0.0000,
0.0000

■ 29.2972, 42.4128,
51.9898

■ 29.2972, 42.4128,
51.9898

■ 28.3084, 41.9192,
51.2586

■ 30.7029, 43.1231,
52.7486

■ 27.6815, 41.6111,
50.5494

■ 32.5649, 44.0675,
53.5339

■ 27.3510, 41.4534,
49.9608

■ 34.9221, 45.2671,
54.3486

■ 37.8084, 46.7393,
55.1942

■ 41.2545, 48.5000,
56.0722

■ 45.2889, 50.5638,
56.9840

■ 49.9381, 52.9445,
57.9308

■ 55.2271, 55.6547,
58.9137

■ 61.1792, 58.7068,
59.9339

Harmonies

Analogous

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



29.8345, 42.4128, 34.6555



29.2972, 42.4128, 51.9898



31.4577, 42.4128, 72.2776

Triad

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



29.2972, 42.4128, 51.9898



48.6152, 42.4128, 79.4730



44.8900, 42.4128, 20.3804

Complementary

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



29.2972, 42.4128, 51.9898



24.2853, 14.4412, 6.3593

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.



50.6892, 42.4128, 27.2693



29.2972, 42.4128, 51.9898



52.9937, 42.4128, 60.0130

Square

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



29.2972, 42.4128, 51.9898



42.2926, 42.4128, 90.6963



53.7906, 42.4128, 40.8206



38.3944, 42.4128, 19.3031

Rectangle

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



29.2972, 42.4128, 51.9898



34.2875, 42.4128, 83.6865



53.7906, 42.4128, 40.8206



47.0040, 42.4128, 21.9845

Sweetspot

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



29.2985, 42.4144, 51.9908



73.9988, 86.9195, 100.4499



21.8882, 39.5141, 10.0887



15.4836, 18.4470, 21.4547



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



29.2985, 42.4144, 51.9908



49.9703, 74.7154, 91.0541



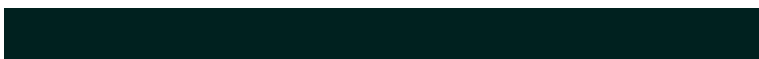
19.6175, 21.4940, 53.5686



10.3393, 11.4168, 12.7898



18.2026, 27.5751, 33.2895



0.7952, 1.1949, 1.4842

Inverse Universe

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



24.2853, 14.4412, 6.3593



40.5436, 21.7286, 4.9634



28.7914, 23.8309, 6.6977



10.0993, 10.0883, 10.6132



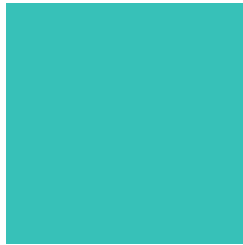
14.6849, 7.5637, 0.9870



0.6439, 0.3306, 0.0920

Previews

White Background



This preview shows how the XYZ color 29.2972, 42.4128, 51.9898 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 29.2972, 42.4128, 51.9898 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

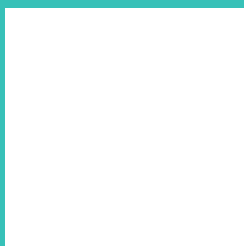
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2972, 42.4128, 51.9898

Background



This preview shows how black text looks on a background with the XYZ color 29.2972, 42.4128, 51.9898.

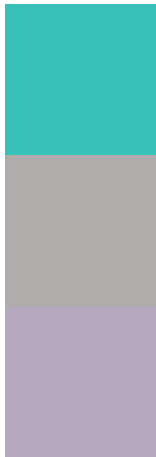


This preview shows how white text looks on a background with the XYZ color 29.2972, 42.4128,

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

29.2972, 42.4128, 51.9898

Protanopia

40.1034, 41.7137, 44.9676

Deuteranopia

42.4793, 41.6245, 53.9395



Tritanopia

31.7476, 42.4280, 64.2738

Trichromacy



Original Color

29.2972, 42.4128, 51.9898



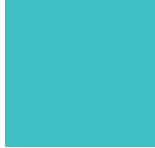
Protanomaly

33.6735, 40.6826, 47.1521



Deuteranomaly

34.8451, 40.2664, 52.9494



Tritanomaly

30.7587, 42.3496, 59.3765

Monochromacy



Original Color

29.2972, 42.4128, 51.9898



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

27.4495, 33.6298, 39.6948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2972, 42.4128, 51.9898 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(55, 193, 184)` looks like.

```
.text, #text, p{  
  color:rgb(55, 193, 184)  
}
```

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(55, 193, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 193, 184) }
```

Border

The CSS property to change the border of an element to XYZ 29.2972, 42.4128, 51.9898 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(55, 193, 184) }
```


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

```
.border{ border-color:rgb(55, 193, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 193, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 193, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 193, 184);  
box-shadow:4px 4px 4px 4px rgb(55, 193,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2972, 42.4128, 51.9898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 193, 184) }
```

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

```
.background{ background-color: rgb(55, 193,  
184) }
```

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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