

Converting Colors

XYZ(28.8309, 42.0640, 51.1863)

Have a look what the booklet for
XYZ(28.8309, 42.0640, 51.1863)
contains.

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Color

**XYZ(28.9326, 42.2369,
51.4274)**

Conversions

Conversions Part 1

Format	Color
Hex	32C1B7
RGB	50, 193, 183
RGB Percent	20%, 76%, 72%
CMY	0.8039, 0.2431, 0.2823
CMYK	0.74, 0.00, 0.05, 0.24
HSL	176°, 59%, 48%
HSV	176°, 74%, 76%
XYZ	28.9326, 42.2369, 51.4274
YIQ	149.1030, -82.0180, -33.4260

Conversions

Conversions Part 2

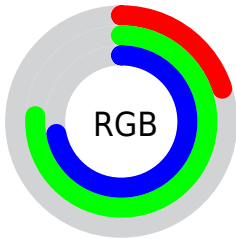
Format	Color
RYB	50, 124, 193
Decimal	3326391
CIELab	71.03, -38.80, -5.70
CIELCh	71, 39.216, 188.352
Yxy	42.2369, 0.2360, 0.3445
Android (android.graphics.Color)	4281516471 (0xFF32C1B7)
YUV	149.1030, 16.7112, -86.9133
Hunter-Lab	64.9899, -34.2667, -1.4240

Details

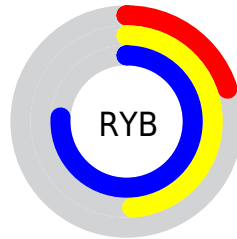
The XYZ color **28.9326, 42.2369, 51.4274** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **23.9499, 13.9462, 5.7060**, and the grayscale version is **28.5686, 30.0564, 32.7315**.

A 20% lighter version of the original color is **57.3733, 78.5251, 93.7943**, and **13.2619, 20.0769, 24.2954** is the 20% darker color. If you saturate the color by 10%, you get **28.0345, 41.7910, 50.6563**, and if you desaturate by 10%, it is **30.2355, 42.8932, 52.2264**.

Distribution



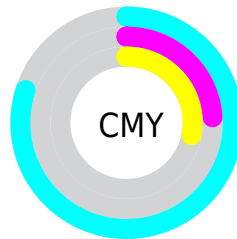
- Red (20%)
- Green (76%)
- Blue (72%)



- Red (20%)
- Yellow (49%)
- Blue (76%)



- Cyan (74%)
- Magenta (0%)
- Yellow (5%)
- Black (24%)





- Cyan (80%)
- Magenta (24%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9326, 42.2369, 51.4274 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 28.9326, 42.2369, 51.4274 by changing the saturation by 10% instead.

 28.9326, 42.2369,
51.4274


 28.9326, 42.2369,
51.4274


288.8968,
355.4640, 409.1159


 19.1739, 29.2868,
36.1698


 57.3683, 78.5580,
93.7042


 11.9007, 19.2979,
24.2746


 76.7759, 102.6979,
121.5604


 6.7478, 11.8857,
15.3234


 100.1306,
131.3365, 154.4533

 3.3498, 6.6659,
8.8975

 127.7977,
164.8582, 192.8013

 1.3413, 3.2541,
4.5785

 160.1425,
203.6474, 237.0231

 0.2138, 1.2658,
1.9478

197.5303,

 0.0000, 0.1145,

248.0885, 287.5371

0.5229

240.3266,
298.5659, 344.7618

■ 0.0000, 0.0000,
0.0000

■ 28.9326, 42.2369,
51.4274

■ 28.9326, 42.2369,
51.4274

■ 28.0345, 41.7910,
50.6563

■ 30.2355, 42.8932,
52.2264

■ 27.4831, 41.5228,
49.9075

■ 31.9843, 43.7783,
53.0524

■ 27.2583, 41.4163,
49.4728

■ 34.2191, 44.9138,
53.9081

■ 36.9748, 46.3176,
54.7954

■ 40.2827, 48.0059,
55.7156

■ 44.1720, 49.9938,
56.6702

■ 48.6695, 52.2951,
57.6603

■ 53.8007, 54.9229,
58.6873

■ 59.5892, 57.8895,
59.7523

Harmonies

Analogous

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



29.5433, 42.2369, 33.9287



28.9326, 42.2369, 51.4274



31.0591, 42.2369, 72.1852

Triad

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



28.9326, 42.2369, 51.4274



48.4744, 42.2369, 80.4553



44.9707, 42.2369, 19.9573

Complementary

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



28.9326, 42.2369, 51.4274



23.9499, 13.9462, 5.7060

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.



50.8494, 42.2369, 27.0482



28.9326, 42.2369, 51.4274



53.0204, 42.2369, 60.6136

Square

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



28.9326, 42.2369, 51.4274



42.0015, 42.2369, 91.6815



53.9338, 42.2369, 40.9478



38.3438, 42.2369, 18.7442

Rectangle

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



28.9326, 42.2369, 51.4274



33.8948, 42.2369, 84.0179



53.9338, 42.2369, 40.9478



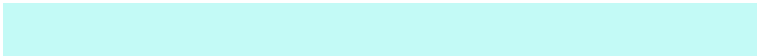
47.1197, 42.2369, 21.6170

Sweetspot

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



28.9338, 42.2385, 51.4284



73.2830, 86.5580, 100.0777



21.6285, 39.3933, 9.4824



15.3423, 18.3758, 21.3716



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.



28.9338, 42.2385, 51.4284



49.5203, 74.5091, 89.8729



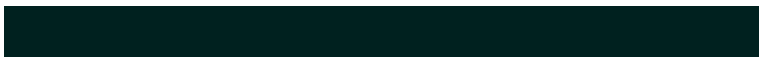
19.3873, 21.4196, 53.5663



10.3371, 11.4159, 12.7787



18.1417, 27.5507, 32.9689



0.7931, 1.1941, 1.4734

Inverse Universe

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



23.9499, 13.9462, 5.7060



40.2286, 21.2868, 4.2783



28.1008, 22.6318, 5.9060



10.1011, 10.0891, 10.6232



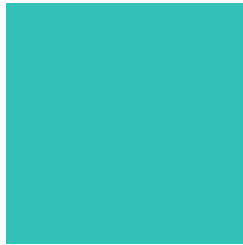
14.6893, 7.5655, 1.0099



0.6447, 0.3309, 0.0965

Previews

White Background



This preview shows how the XYZ color 28.9326, 42.2369, 51.4274 looks on a white background.

Color Contrast Check

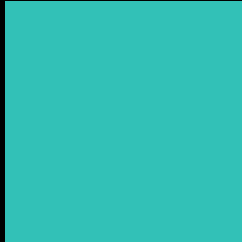
Large Text (above 18pt) WCAG AA × Fail

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 28.9326, 42.2369, 51.4274 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

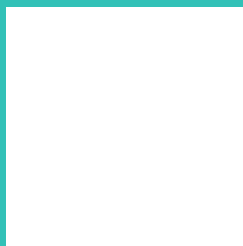
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9326, 42.2369, 51.4274

Background



This preview shows how black text looks on a background with the XYZ color 28.9326, 42.2369, 51.4274.

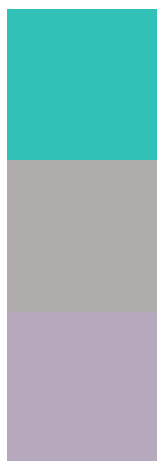


This preview shows how white text looks on a background with the XYZ color 28.9326, 42.2369,

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

28.9326, 42.2369, 51.4274

Protanopia

40.0077, 41.6754, 44.4636

Deuteranopia

42.4793, 41.6245, 53.9395



Tritanopia

31.5473, 42.3247, 64.2644

Trichromacy



Original Color

28.9326, 42.2369, 51.4274

Protanomaly

33.2650, 40.4835, 46.6183

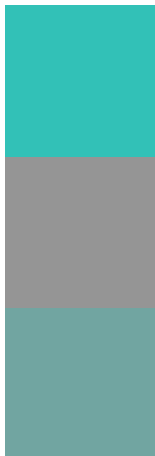
Deuteranomaly

34.5233, 40.1005, 52.9343

Tritanomaly

30.5125, 42.2226, 59.3649

Monochromacy



Original Color

28.9326, 42.2369, 51.4274

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

26.6982, 32.9942, 38.6796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9326, 42.2369, 51.4274 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(50, 193, 183)` looks like.

```
.text, #text, p{  
    color:rgb(50, 193, 183)  
}
```

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(50, 193, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 193, 183) }
```

Border

The CSS property to change the border of an element to XYZ 28.9326, 42.2369, 51.4274 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(50, 193, 183) }
```


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

```
.border{ border-color:rgb(50, 193, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 193, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 193, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 193, 183);  
box-shadow:4px 4px 4px 4px rgb(50, 193,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9326, 42.2369, 51.4274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 193, 183) }
```

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

```
.background{ background-color: rgb(50, 193,  
183) }
```

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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