

Converting Colors

XYZ(29.0493, 42.1054, 54.4316)

Have a look what the booklet for
XYZ(29.0493, 42.1054, 54.4316)
contains.

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Color

**XYZ(29.1019, 42.2630,
54.2007)**

Conversions

Conversions Part 1

Format	Color
Hex	2AC1BC
RGB	42, 193, 188
RGB Percent	16%, 76%, 74%
CMY	0.8352, 0.2431, 0.2627
CMYK	0.78, 0.00, 0.03, 0.24
HSL	178°, 64%, 46%
HSV	178°, 78%, 76%
XYZ	29.1019, 42.2630, 54.2007
YIQ	147.2810, -88.3910, -33.5670

Conversions

Conversions Part 2

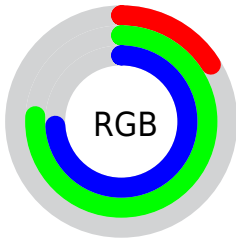
Format	Color
R _Y B	42, 119, 193
Decimal	2802108
CIE Lab	71.05, -38.22, -8.42
CIE LCh	71, 39.138, 192.418
Yxy	42.2630, 0.2318, 0.3366
Android (android.graphics.Color)	4280992188 (0xFF2AC1BC)
YUV	147.2810, 20.0745, -92.3314
Hunter-Lab	65.0100, -33.8615, -3.9248

Details

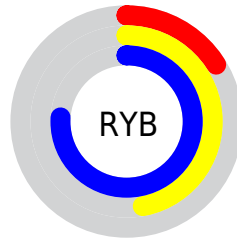
The XYZ color **29.1019, 42.2630, 54.2007** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **23.3348, 13.1999, 4.0086**, and the grayscale version is **27.7970, 29.2446, 31.8474**.

A 20% lighter version of the original color is **57.5850, 78.5477, 97.7141**, and **13.6058, 20.2145, 26.1064** is the 20% darker color. If you saturate the color by 10%, you get **28.4258, 41.9234, 53.8110**, and if you desaturate by 10%, it is **30.1607, 42.8018, 54.6118**.

Distribution



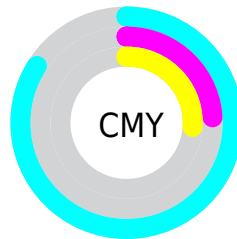
- Red (16%)
- Green (76%)
- Blue (74%)



- Red (16%)
- Yellow (47%)
- Blue (76%)



- Cyan (78%)
- Magenta (0%)
- Yellow (3%)
- Black (24%)



- Cyan (84%)
- Magenta (24%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1019, 42.2630, 54.2007 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 29.1019, 42.2630, 54.2007 by changing the saturation by 10% instead.

■ 29.1019, 42.2630,
54.2007

■ 29.1019, 42.2630,
54.2007

289.6810,
355.5720, 420.0711

■ 19.3026, 29.3073,
38.3679

■ 57.6354, 78.5975,
97.8282

■ 11.9944, 19.3134,
25.9643

■ 77.1003, 102.7451,
126.4600

■ 6.8121, 11.8970,
16.5714

■ 100.5177,
131.3921, 160.1952

■ 3.3901, 6.6735,
9.7707

■ 128.2531,
164.9229, 199.4524

■ 1.3633, 3.2588,
5.1436

■ 160.6718,
203.7219, 244.6500

■ 0.2298, 1.2683,
2.2715

198.1391,

■ 0.0000, 0.1164,

248.1735, 296.2066

0.7152

241.0203,
298.6621, 354.5408

■ 0.0000, 0.0000,
0.0000

■ 29.1019, 42.2630,
54.2007

■ 29.1019, 42.2630,
54.2007

■ 28.4258, 41.9234,
53.8110

■ 30.1607, 42.8018,
54.6118

■ 28.0533, 41.7392,
53.4361

■ 31.6465, 43.5597,
55.0435

■ 27.9985, 41.7124,
53.3706

■ 33.6019, 44.5597,
55.4989

■ 36.0630, 45.8204,
55.9794

■ 39.0627, 47.3586,
56.4868

■ 42.6308, 49.1899,
57.0224

■ 46.7952, 51.3286,
57.5875

■ 51.5819, 53.7880,
58.1833

■ 57.0152, 56.5807,
58.8110

Harmonies

Analogous

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



29.3390, 42.2630, 35.9769



29.1019, 42.2630, 54.2007



31.5863, 42.2630, 74.8216

Triad

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



29.1019, 42.2630, 54.2007



49.2591, 42.2630, 78.0381



44.0876, 42.2630, 19.5236

Complementary

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



29.1019, 42.2630, 54.2007



23.3348, 13.1999, 4.0086

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.



50.1823, 42.2630, 25.7553



29.1019, 42.2630, 54.2007



53.3834, 42.2630, 57.7707

Square

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



29.1019, 42.2630, 54.2007



42.9338, 42.2630, 90.8877



53.7385, 42.2630, 38.7019



37.5269, 42.2630, 19.0534

Rectangle

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



29.1019, 42.2630, 54.2007



34.6262, 42.2630, 85.8682



53.7385, 42.2630, 38.7019



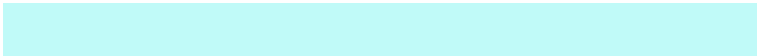
46.2755, 42.2630, 20.9160

Sweetspot

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



29.1032, 42.2646, 54.2017



72.9427, 86.3479, 101.6261



20.6631, 38.9139, 8.6136



15.1651, 18.2764, 21.7280



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.



29.1032, 42.2646, 54.2017



50.3963, 74.8285, 95.8852



17.6073, 18.3950, 53.0764



10.3537, 11.4225, 12.8657



18.6278, 27.7452, 35.5288



0.8094, 1.2006, 1.5593

Inverse Universe

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



23.3348, 13.1999, 4.0086



39.7117, 20.7080, 2.7028



28.2578, 23.1983, 5.1799



10.0864, 10.0832, 10.5456



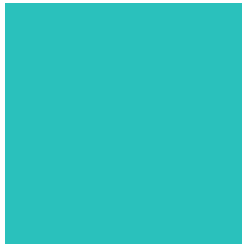
14.6567, 7.5524, 0.8381



0.6380, 0.3282, 0.0613

Previews

White Background



This preview shows how the XYZ color 29.1019, 42.2630, 54.2007 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 29.1019, 42.2630, 54.2007 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

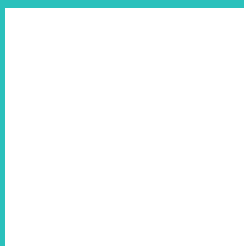
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1019, 42.2630, 54.2007

Background



This preview shows how black text looks on a background with the XYZ color 29.1019, 42.2630, 54.2007.

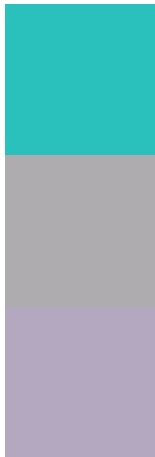


This preview shows how white text looks on a background with the XYZ color 29.1019, 42.2630,

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

29.1019, 42.2630, 54.2007

Protanopia

40.1696, 41.7142, 46.4919

Deuteranopia

42.4507, 41.5588, 56.2363



Tritanopia

31.1849, 42.1239, 64.8796

Trichromacy



Original Color

29.1019, 42.2630, 54.2007



Protanomaly

33.3119, 40.4498, 49.2319



Deuteranomaly

34.3320, 39.9517, 55.1922



Tritanomaly

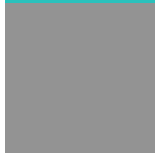
30.3048, 42.0889, 60.5596

Monochromacy



Original Color

29.1019, 42.2630, 54.2007



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

26.1037, 32.4108, 39.0625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1019, 42.2630, 54.2007 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(42, 193, 188)` looks like.

```
.text, #text, p{  
    color:rgb(42, 193, 188)  
}
```

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(42, 193, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 193, 188) }
```

Border

The CSS property to change the border of an element to XYZ 29.1019, 42.2630, 54.2007 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(42, 193, 188) }
```


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

```
.border{ border-color:rgb(42, 193, 188) }
```

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

Here you see how a box with a 4 pixel rgb(42, 193, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 193, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 193, 188);  
box-shadow:4px 4px 4px 4px rgb(42, 193,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1019, 42.2630, 54.2007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 193, 188) }
```

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

```
.background{ background-color: rgb(42, 193,  
188) }
```

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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