

Converting Colors

XYZ(22.3613, 40.5307, 55.6548)

Have a look what the booklet for
XYZ(22.3613, 40.5307, 55.6548)
contains.

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Color

**XYZ(29.5981, 44.1498,
56.2520)**

Conversions

Conversions Part 1

Format	Color
Hex	00C6BF
RGB	0, 198, 191
RGB Percent	0%, 78%, 75%
CMY	0.9998, 0.2235, 0.2510
CMYK	1.00, 0.00, 0.04, 0.22
HSL	178°, 100%, 39%
HSV	178°, 100%, 78%
XYZ	29.5981, 44.1498, 56.2520
YIQ	138.0000, -115.7610, -44.1530

Conversions

Conversions Part 2

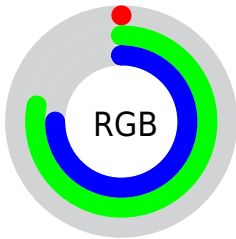
Format	Color
RYB	0, 101, 198
Decimal	50879
CIELab	72.33, -41.82, -8.19
CIELCh	72, 42.615, 191.080
Yxy	44.1498, 0.2277, 0.3396
Android (android.graphics.Color)	4278240959 (0xFF00C6BF)
YUV	138.0000, 26.1290, -121.0260
Hunter-Lab	66.4453, -36.7664, -3.6827

Details

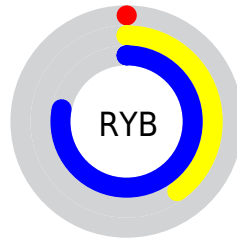
The XYZ color **29.5981, 44.1498, 56.2520** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **23.3285, 12.0225, 1.2933**, and the grayscale version is **24.0979, 25.3529, 27.6093**.

A 20% lighter version of the original color is **58.2574, 81.1785, 100.5942**, and **14.4099, 21.4799, 27.4313** is the 20% darker color. If you saturate the color by 10%, you get **29.5987, 44.1511, 56.2522**, and if you desaturate by 10%, it is **29.9615, 44.3292, 56.6733**.

Distribution



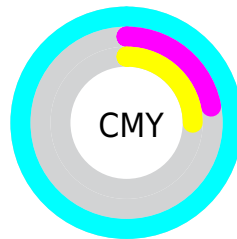
- Red (0%)
- Green (78%)
- Blue (75%)



- Red (0%)
- Yellow (40%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.5981, 44.1498, 56.2520 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 29.5981, 44.1498, 56.2520 by changing the saturation by 10% instead.

 29.5981, 44.1498,
56.2520


 29.5981, 44.1498,
56.2520


291.9701,
363.3192, 428.0555


 19.6803, 30.7883,
39.9997


 58.4170, 81.4431,
100.8624

 12.2698, 20.4377,
27.2245


 78.0488, 106.1437,
130.0575


 7.0012, 12.7136,
17.5080


 101.6494,
135.3928, 164.4040

 3.5092, 7.2316,
10.4315

 129.5840,
169.5747, 204.3204

 1.4284, 3.6074,
5.5767

 162.2180,
209.0740, 250.2252

 0.2763, 1.4565,
2.5248

199.9168,

 0.0000, 0.2578,

254.2748, 302.5369

0.8533

243.0457,
305.5618, 361.6742

■ 0.0000, 0.0000,
0.0000

■ 29.5981, 44.1498,
56.2520

■ 29.5981, 44.1498,
56.2520

■ 29.5987, 44.1511,
56.2522

■ 29.9615, 44.3292,
56.6733

■ 30.6151, 44.6571,
57.1091

■ 31.6618, 45.1878,
57.5653

■ 33.1550, 45.9484,
58.0443

■ 35.1393, 46.9623,
58.5482

■ 37.6545, 48.2498,
59.0789

■ 40.7358, 49.8291,
59.6380

■ 44.4156, 51.7169,
60.2271

■ 48.7241, 53.9287,
60.8475

Harmonies

Analogous

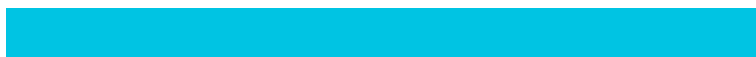
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.9949, 44.1498, 36.1380



29.5981, 44.1498, 56.2520



32.2124, 44.1498, 79.7651

Triad

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



29.5981, 44.1498, 56.2520



51.9203, 44.1498, 85.3588



46.6998, 44.1498, 19.1101

Complementary

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



29.5981, 44.1498, 56.2520



23.3285, 12.0225, 1.2933

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.



53.5061, 44.1498, 26.1306



29.5981, 44.1498, 56.2520



56.7540, 44.1498, 62.3797

Square

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



29.5981, 44.1498, 56.2520



44.7298, 44.1498, 99.5460



57.3660, 44.1498, 40.7255



39.3128, 44.1498, 18.3484

Rectangle

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



29.5981, 44.1498, 56.2520



35.5111, 44.1498, 92.7531



57.3660, 44.1498, 40.7255



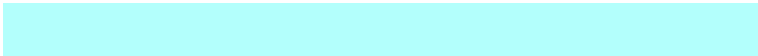
49.1527, 44.1498, 20.6939

Sweetspot

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



29.5994, 44.1515, 56.2531



71.8524, 88.0912, 105.5565



20.3194, 40.4538, 6.7386



14.8570, 18.5874, 22.5016



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.



29.5994, 44.1515, 56.2531



52.3916, 78.1727, 99.5010



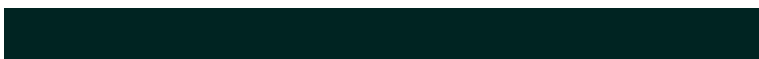
15.6541, 14.9980, 55.4977



10.9299, 12.0608, 13.5809



19.2551, 28.7144, 36.6177



0.9169, 1.3617, 1.7612

Inverse Universe

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



23.3285, 12.0225, 1.2933



41.2894, 21.2798, 2.1902



26.8725, 19.1718, 2.2854



10.6488, 10.6429, 11.1340



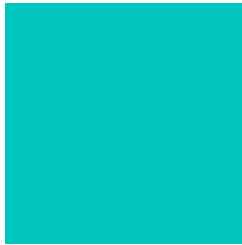
15.1769, 7.8203, 0.8753



0.7240, 0.3725, 0.0700

Previews

White Background



This preview shows how the XYZ color 29.5981, 44.1498, 56.2520 looks on a white background.

Color Contrast Check

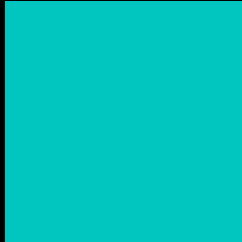
Large Text (above 18pt) WCAG AA × Fail

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 29.5981, 44.1498, 56.2520 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

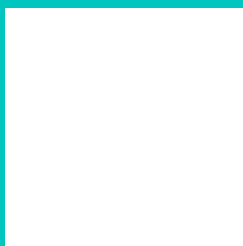
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5981, 44.1498, 56.2520

Background



This preview shows how black text looks on a background with the XYZ color 29.5981, 44.1498, 56.2520.

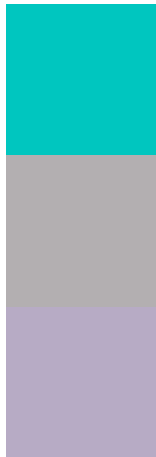


This preview shows how white text looks on a background with the XYZ color 29.5981, 44.1498,

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

29.5981, 44.1498, 56.2520

Protanopia

41.8562, 43.4180, 47.7694

Deuteranopia

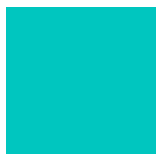
44.1694, 43.2243, 58.8385



Tritanopia

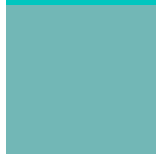
32.2278, 44.2256, 68.4658

Trichromacy



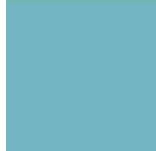
Original Color

29.5981, 44.1498, 56.2520



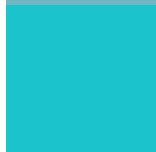
Protanomaly

32.3164, 40.8218, 50.4321



Deuteranomaly

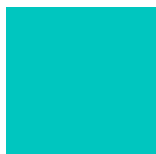
33.5767, 40.7009, 57.7161



Tritanomaly

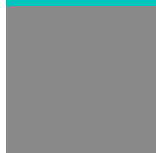
31.0910, 44.0725, 63.9949

Monochromacy



Original Color

29.5981, 44.1498, 56.2520



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.6811, 29.6506, 36.4260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5981, 44.1498, 56.2520 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, 198, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 191)  
}
```

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, 198, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 191) }
```

Border

The CSS property to change the border of an element to XYZ 29.5981, 44.1498, 56.2520 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, 198, 191) }
```


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

```
.border{ border-color:rgb(0, 198, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 198, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5981, 44.1498, 56.2520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 191) }
```

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

```
.background{ background-color: rgb(0, 198,  
191) }
```

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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