

Converting Colors

XYZ(27.8334, 42.5586, 56.7794)

Have a look what the booklet for
XYZ(27.8334, 42.5586, 56.7794)
contains.

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Color

**XYZ(29.2544, 43.2856,
56.6823)**

Conversions

Conversions Part 1

Format	Color
Hex	00C4C0
RGB	0, 196, 192
RGB Percent	0%, 77%, 75%
CMY	0.9998, 0.2314, 0.2471
CMYK	1.00, 0.00, 0.02, 0.23
HSL	179°, 100%, 38%
HSV	179°, 100%, 77%
XYZ	29.2544, 43.2856, 56.6823
YIQ	136.9400, -115.5320, -42.7960

Conversions

Conversions Part 2

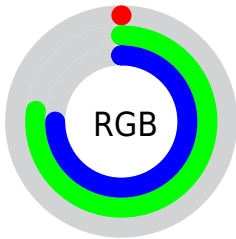
Format	Color
RYB	0, 99, 196
Decimal	50368
CIELab	71.75, -40.64, -9.60
CIELCh	72, 41.756, 193.290
Yxy	43.2856, 0.2264, 0.3350
Android (android.graphics.Color)	4278240448 (0xFF00C4C0)
YUV	136.9400, 27.1446, -120.0964
Hunter-Lab	65.7918, -35.7654, -5.0265

Details

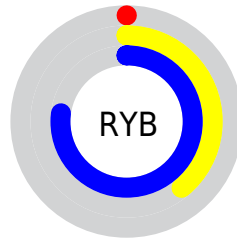
The XYZ color **29.2544, 43.2856, 56.6823** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **22.7883, 11.7460, 1.1823**, and the grayscale version is **23.6928, 24.9267, 27.1451**.

A 20% lighter version of the original color is **57.7775, 79.9709, 101.1977**, and **14.1851, 20.9138, 27.7152** is the 20% darker color. If you saturate the color by 10%, you get **29.2550, 43.2869, 56.6828**, and if you desaturate by 10%, it is **29.5809, 43.4497, 56.9304**.

Distribution



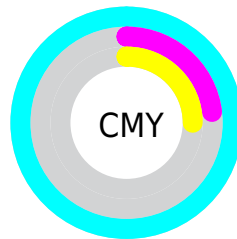
- Red (0%)
- Green (77%)
- Blue (75%)



- Red (0%)
- Yellow (39%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (23%)



- Cyan (100%)
- Magenta (23%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2544, 43.2856, 56.6823 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 29.2544, 43.2856, 56.6823 by changing the saturation by 10% instead.

■ 29.2544, 43.2856,
56.6823

■ 29.2544, 43.2856,
56.6823

290.3860,
359.7850, 429.7181

■ 19.4186, 30.1093,
40.3426

■ 57.8758, 80.1417,
101.4972

■ 12.0789, 19.9215,
27.4899

■ 77.3921, 104.5902,
130.8094

■ 6.8700, 12.3380,
17.7058

■ 100.8660,
133.5649, 165.2829

■ 3.4266, 6.9743,
10.5717

■ 128.6627,
167.4502, 205.3362

■ 1.3831, 3.4460,
5.6691

■ 161.1478,
206.6304, 251.3879

■ 0.2442, 1.3688,
2.5794

198.6864,

■ 0.0000, 0.1936,

251.4900, 303.8564

0.8818

241.6440,
302.4134, 363.1603

■ 0.0000, 0.0000,
0.0000

■ 29.2544, 43.2856,
56.6823

■ 29.2544, 43.2856,
56.6823

■ 29.2550, 43.2869,
56.6828

■ 29.5809, 43.4497,
56.9304

■ 30.1901, 43.7587,
57.1914

■ 31.1833, 44.2655,
57.4709

■ 32.6122, 44.9969,
57.7715

■ 34.5205, 45.9755,
58.0952

■ 36.9469, 47.2212,
58.4437

■ 39.9258, 48.7516,
58.8187

■ 43.4888, 50.5832,
59.2217

■ 47.6653, 52.7310,
59.6541

Harmonies

Analogous

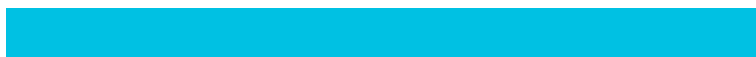
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.4224, 43.2856, 36.7769



29.2544, 43.2856, 56.6823



31.9991, 43.2856, 79.2719

Triad

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



29.2544, 43.2856, 56.6823



51.2099, 43.2856, 81.6245



45.1853, 43.2856, 18.7644

Complementary

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



29.2544, 43.2856, 56.6823



22.7883, 11.7460, 1.1823

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.



51.8783, 43.2856, 25.1171



29.2544, 43.2856, 56.6823



55.6207, 43.2856, 59.2653

Square

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



29.2544, 43.2856, 56.6823



44.3541, 43.2856, 96.2239



55.8785, 43.2856, 38.7173



38.0882, 43.2856, 18.4399

Rectangle

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



29.2544, 43.2856, 56.6823



35.3160, 43.2856, 91.2908



55.8785, 43.2856, 38.7173



47.5752, 43.2856, 20.1593

Sweetspot

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



29.2557, 43.2872, 56.6833



72.0345, 88.1640, 106.5154



19.8231, 39.5236, 6.5854



14.9014, 18.6051, 22.7353



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.



29.2557, 43.2872, 56.6833



52.9829, 78.4092, 102.6145



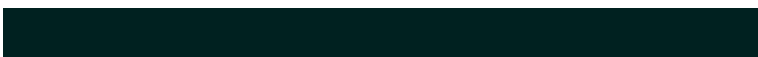
14.9712, 13.9989, 54.1392



10.3594, 11.4248, 12.8958



18.8012, 27.8145, 36.4418



0.8152, 1.2029, 1.5897

Inverse Universe

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



22.7883, 11.7460, 1.1823



41.2685, 21.2714, 2.0802



26.5492, 19.3029, 2.3278



10.0814, 10.0811, 10.5190



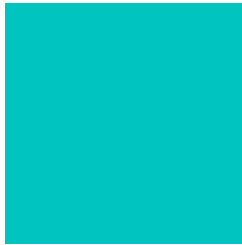
14.6455, 7.5479, 0.7792



0.6357, 0.3273, 0.0491

Previews

White Background



This preview shows how the XYZ color 29.2544, 43.2856, 56.6823 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 29.2544, 43.2856, 56.6823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

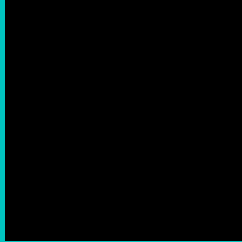
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

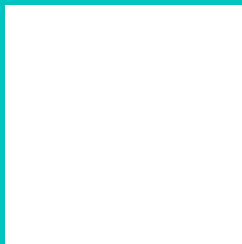
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2544, 43.2856, 56.6823

Background



This preview shows how black text looks on a background with the XYZ color 29.2544, 43.2856, 56.6823.

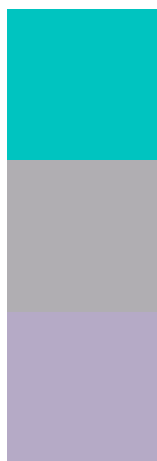


This preview shows how white text looks on a background with the XYZ color 29.2544, 43.2856,

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

29.2544, 43.2856, 56.6823

Protanopia

41.0764, 42.7166, 48.1996

Deuteranopia

43.6238, 42.6504, 59.3592



Tritanopia

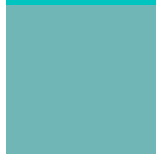
31.4153, 43.1747, 66.9994

Trichromacy



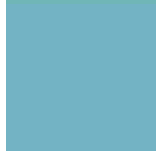
Original Color

29.2544, 43.2856, 56.6823



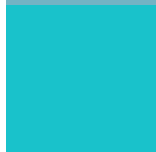
Protanomaly

31.9573, 40.3195, 50.8979



Deuteranomaly

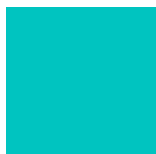
33.1541, 39.8706, 58.1729



Tritanomaly

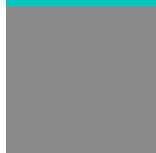
30.4722, 43.1020, 63.2134

Monochromacy



Original Color

29.2544, 43.2856, 56.6823



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.2431, 28.9143, 36.3070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2544, 43.2856, 56.6823 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, 196, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 192)  
}
```

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, 196, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 192) }
```

Border

The CSS property to change the border of an element to XYZ 29.2544, 43.2856, 56.6823 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, 196, 192) }
```


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

```
.border{ border-color:rgb(0, 196, 192) }
```

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

Here you see how a box with a 4 pixel rgb(0, 196, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2544, 43.2856, 56.6823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 192) }
```

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

```
.background{ background-color: rgb(0, 196,  
192) }
```

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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