

Converting Colors

XYZ(16.0950, 35.5928, 55.7542)

Have a look what the booklet for
XYZ(16.0950, 35.5928, 55.7542)
contains.

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Color

**XYZ(28.5844, 41.9457,
56.4589)**

Conversions

Conversions Part 1

Format	Color
Hex	00C1C0
RGB	0, 193, 192
RGB Percent	0%, 76%, 75%
CMY	0.9998, 0.2431, 0.2471
CMYK	1.00, 0.00, 0.01, 0.24
HSL	180°, 100%, 38%
HSV	180°, 100%, 76%
XYZ	28.5844, 41.9457, 56.4589
YIQ	135.1790, -114.7070, -41.2270

Conversions

Conversions Part 2

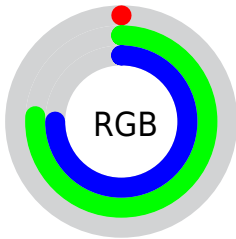
Format	Color
RYB	0, 97, 193
Decimal	49600
CIELab	70.83, -39.29, -10.96
CIElCh	71, 40.792, 195.592
Yxy	41.9457, 0.2251, 0.3303
Android (android.graphics.Color)	4278239680 (0xFF00C1C0)
YUV	135.1790, 28.0128, -118.5520
Hunter-Lab	64.7655, -34.5582, -6.3498

Details

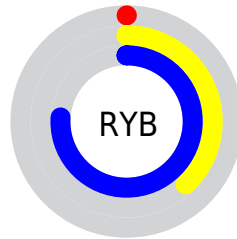
The XYZ color **28.5844, 41.9457, 56.4589** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **21.9992, 11.3410, 1.0595**, and the grayscale version is **23.0304, 24.2298, 26.3863**.

A 20% lighter version of the original color is **56.7224, 78.0321, 100.8791**, and **13.8928, 20.3293, 27.6178** is the 20% darker color. If you saturate the color by 10%, you get **28.5851, 41.9470, 56.4598**, and if you desaturate by 10%, it is **28.8715, 42.0933, 56.5313**.

Distribution



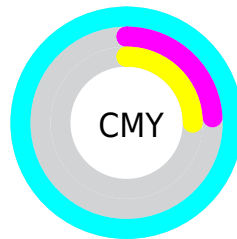
- Red (0%)
- Green (76%)
- Blue (75%)



- Red (0%)
- Yellow (38%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (24%)



- Cyan (100%)
- Magenta (24%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5844, 41.9457, 56.4589 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 28.5844, 41.9457, 56.4589 by changing the saturation by 10% instead.

■ 28.5844, 41.9457,
56.4589

■ 28.5844, 41.9457,
56.4589

287.2787,
354.2578, 428.8554

■ 18.9093, 29.0588,
40.1645

■ 56.8183, 78.1174,
101.1677

■ 11.7084, 19.1253,
27.3521

■ 76.1078, 102.1710,
130.4192

■ 6.6162, 11.7608,
17.6030

■ 99.3329, 130.7157,
164.8268

■ 3.2675, 6.5810,
10.4989

■ 126.8588,
164.1357, 204.8091

■ 1.2967, 3.2015,
5.6211

■ 159.0510,
202.8155, 250.7845

■ 0.1808, 1.2378,
2.5510

196.2748,

■ 0.0000, 0.0923,

247.1396, 303.1717

0.8670

238.8956,
297.4922, 362.3892

■ 0.0000, 0.0000,
0.0000

■ 28.5844, 41.9457,
56.4589

■ 28.5844, 41.9457,
56.4589

■ 28.5851, 41.9470,
56.4598

■ 28.8715, 42.0933,
56.5313

■ 29.4306, 42.3803,
56.6154

■ 30.3601, 42.8581,
56.7170

■ 31.7098, 43.5527,
56.8382

■ 33.5220, 44.4856,
56.9812

■ 35.8336, 45.6760,
57.1475

■ 38.6779, 47.1410,
57.3388

■ 42.0853, 48.8963,
57.5565

■ 46.0840, 50.9564,
57.8019

Harmonies

Analogous

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



28.5286, 41.9457, 36.9981



28.5844, 41.9457, 56.4589



31.4244, 41.9457, 77.8688

Triad

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



28.5844, 41.9457, 56.4589



49.9241, 41.9457, 77.0929



43.2004, 41.9457, 18.2163

Complementary

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



28.5844, 41.9457, 56.4589



21.9992, 11.3410, 1.0595

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.



49.7031, 41.9457, 23.8567



28.5844, 41.9457, 56.4589



53.8731, 41.9457, 55.6050

Square

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



28.5844, 41.9457, 56.4589



43.4755, 41.9457, 91.8927



53.7880, 41.9457, 36.3543



36.4661, 41.9457, 18.3247

Rectangle

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



28.5844, 41.9457, 56.4589



34.7205, 41.9457, 88.8000



53.7880, 41.9457, 36.3543



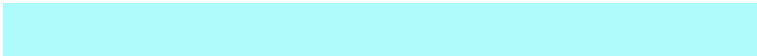
45.5010, 41.9457, 19.4133

Sweetspot

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



28.5857, 41.9473, 56.4599



68.9967, 84.2864, 102.6733



19.1116, 38.1623, 6.3600



14.3164, 17.8321, 21.9946



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.



28.5857, 41.9473, 56.4599



51.1915, 75.1239, 101.1005



14.1586, 12.9149, 52.2003



10.3662, 11.4275, 12.9319



19.0129, 27.8992, 37.5565



0.8222, 1.2057, 1.6266

Inverse Universe

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



21.9992, 11.3410, 1.0595



39.3956, 20.3084, 1.8808



25.9345, 19.2205, 2.3442



10.0753, 10.0787, 10.4870



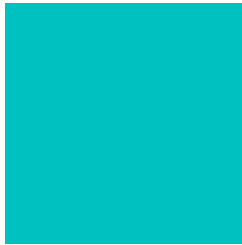
14.6321, 7.5426, 0.7086



0.6330, 0.3262, 0.0345

Previews

White Background



This preview shows how the XYZ color 28.5844, 41.9457, 56.4589 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 28.5844, 41.9457, 56.4589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

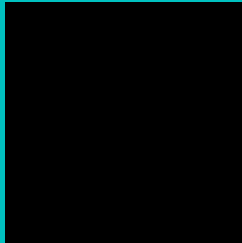
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

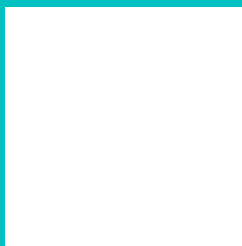
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.5844, 41.9457, 56.4589

Background



This preview shows how black text looks on a background with the XYZ color 28.5844, 41.9457, 56.4589.

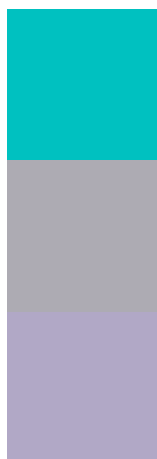


This preview shows how white text looks on a background with the XYZ color 28.5844, 41.9457,

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

28.5844, 41.9457, 56.4589

Protanopia

39.9332, 41.2647, 48.5080

Deuteranopia

42.3271, 41.4296, 59.1919



Tritanopia

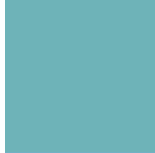
30.4989, 42.0929, 64.9098

Trichromacy



Original Color

28.5844, 41.9457, 56.4589



Protanomaly

31.2022, 39.0159, 51.2337



Deuteranomaly

32.4960, 38.9405, 58.0281



Tritanomaly

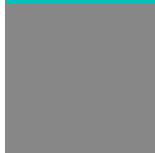
29.7456, 42.0985, 61.8164

Monochromacy



Original Color

28.5844, 41.9457, 56.4589



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

21.7270, 28.1557, 35.7419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5844, 41.9457, 56.4589 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, 193, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 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, 193, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 192) }
```

Border

The CSS property to change the border of an element to XYZ 28.5844, 41.9457, 56.4589 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, 193, 192) }
```


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

```
.border{ border-color:rgb(0, 193, 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, 193, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5844, 41.9457, 56.4589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 192) }
```

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

```
.background{ background-color: rgb(0, 193,  
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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