

Converting Colors

XYZ(20.1149, 28.4915, 42.8924)

Have a look what the booklet for
XYZ(20.1149, 28.4915, 42.8924)
contains.

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Color

**XYZ(20.0956, 28.4300,
42.9565)**

Conversions

Conversions Part 1

Format	Color
Hex	00A1AB
RGB	0, 161, 171
RGB Percent	0%, 63%, 67%
CMY	0.9999, 0.3686, 0.3294
CMYK	1.00, 0.06, 0.00, 0.33
HSL	184°, 100%, 34%
HSV	184°, 100%, 67%
XYZ	20.0956, 28.4300, 42.9565
YIQ	114.0010, -99.1660, -31.0220

Conversions

Conversions Part 2

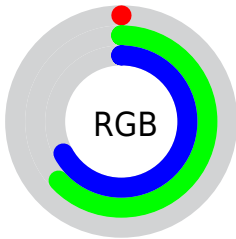
Format	Color
RYB	0, 83, 171
Decimal	41387
CIELab	60.28, -30.90, -15.18
CIELCh	60, 34.430, 206.154
Yxy	28.4300, 0.2197, 0.3108
Android (android.graphics.Color)	4278231467 (0xFF00A1AB)
YUV	114.0010, 28.1005, -99.9789
Hunter-Lab	53.3198, -26.0351, -10.4425

Details

The XYZ color **20.0956, 28.4300, 42.9565** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.9040, 8.8760, 0.8233**, and the grayscale version is **15.9378, 16.7678, 18.2601**.

A 20% lighter version of the original color is **43.0026, 57.0356, 80.6940**, and **8.7984, 12.2692, 19.3572** is the 20% darker color. If you saturate the color by 10%, you get **20.0957, 28.4301, 42.9570**, and if you desaturate by 10%, it is **20.5051, 28.9022, 43.0266**.

Distribution



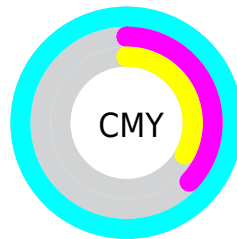
- Red (0%)
- Green (63%)
- Blue (67%)



- Red (0%)
- Yellow (33%)
- Blue (67%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (37%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0956, 28.4300, 42.9565 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 20.0956, 28.4300, 42.9565 by changing the saturation by 10% instead.

■ 20.0956, 28.4300,
42.9565

■ 20.0956, 28.4300,
42.9565

■ 245.2559,
294.5159, 374.3488

■ 12.5732, 18.6501,
29.5198

■ 43.0801, 57.1702,
80.9309

■ 7.2103, 11.4177,
19.2255

■ 59.2730, 76.8993,
106.3056

■ 3.6415, 6.3485,
11.6548

■ 79.0867, 100.7135,
136.4969

■ 1.5014, 3.0581,
6.3894

■ 102.8867,
128.9973, 171.9231

■ 0.3268, 1.1622,
3.0107

■ 131.0382,
162.1351, 213.0029

■ 0.0000, 0.0305,
1.1001

■ 163.9067,

■ 0.0000, 0.0000,

200.5112, 260.1547

0.0000

201.8575,
244.5100, 313.7972

■ 20.0956, 28.4300,
42.9565

■ 20.0956, 28.4300,
42.9565

■ 20.0957, 28.4301,
42.9570

■ 20.5051, 28.9022,
43.0266

■ 21.1159, 29.4797,
43.1059

■ 22.0090, 30.2047,
43.1987

■ 23.2209, 31.0962,
43.3070

■ 24.7827, 32.1702,
43.4319

■ 26.7220, 33.4409,
43.5750

■ 29.0632, 34.9209,
43.7373

■ 31.8291, 36.6220,
43.9198

■ 35.0406, 38.5548,
44.1236

Harmonies

Analogous

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



19.4059, 28.4300, 29.3532



20.0956, 28.4300, 42.9565



22.5641, 28.4300, 55.8570

Triad

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



20.0956, 28.4300, 42.9565



34.7036, 28.4300, 46.5671



27.5953, 28.4300, 12.4822

Complementary

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



20.0956, 28.4300, 42.9565



16.9040, 8.8760, 0.8233

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.



32.0312, 28.4300, 14.8352



20.0956, 28.4300, 42.9565



36.4079, 28.4300, 32.6149

Square

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



20.0956, 28.4300, 42.9565



30.9392, 28.4300, 58.3090



35.3807, 28.4300, 21.4278



23.4499, 28.4300, 13.8588

Rectangle

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



20.0956, 28.4300, 42.9565



25.0408, 28.4300, 61.0708



35.3807, 28.4300, 21.4278



29.1048, 28.4300, 12.8413

Sweetspot

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



20.0965, 28.4310, 42.9572



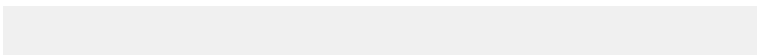
51.7994, 62.3844, 78.3132



14.6106, 29.1453, 5.1021



11.1524, 13.6615, 17.4368



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.0965, 28.4310, 42.9572



35.9345, 50.8055, 76.9144



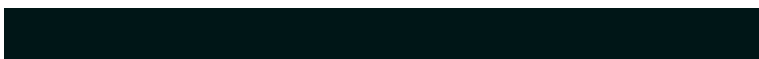
10.0030, 8.2442, 39.5927



8.1956, 8.9906, 10.2561



15.1625, 21.4588, 32.3873



0.4336, 0.6206, 0.9049

Inverse Universe

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



23.2284, 11.2321, 34.6629



41.5714, 20.1032, 61.9297



20.8037, 16.6754, 2.1232



8.3165, 8.1399, 9.9777



17.5170, 8.4693, 26.1655



0.4933, 0.2380, 0.7593

Previews

White Background



This preview shows how the XYZ color 20.0956, 28.4300, 42.9565 looks on a white background.

Color Contrast Check

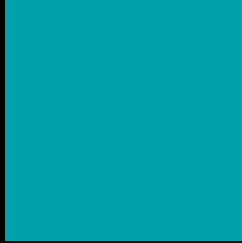
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0956, 28.4300, 42.9565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

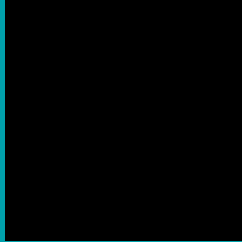
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.0956, 28.4300, 42.9565

Background



This preview shows how black text looks on a background with the XYZ color 20.0956, 28.4300, 42.9565.

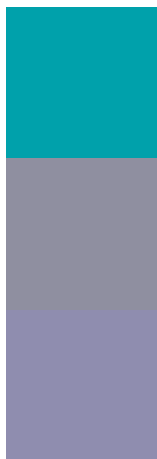


This preview shows how white text looks on a background with the XYZ color 20.0956, 28.4300,

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

20.0956, 28.4300, 42.9565

Protanopia

27.4953, 28.0226, 37.2175

Deuteranopia

28.5904, 27.9845, 44.4521



Tritanopia

20.5819, 28.6473, 44.4891

Trichromacy



Original Color

20.0956, 28.4300, 42.9565

Protanomaly

21.9216, 26.7172, 39.1235

Deuteranomaly

22.5443, 26.4599, 43.9635

Tritanomaly

20.4129, 28.5714, 43.9741

Monochromacy



Original Color

20.0956, 28.4300, 42.9565

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.2371, 19.3983, 25.8628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0956, 28.4300, 42.9565 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, 161, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 171)  
}
```

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, 161, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 171) }
```

Border

The CSS property to change the border of an element to XYZ 20.0956, 28.4300, 42.9565 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, 161, 171) }
```


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

```
.border{ border-color:rgb(0, 161, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0956, 28.4300, 42.9565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 171) }
```

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

```
.background{ background-color: rgb(0, 161,  
171) }
```

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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