

Converting Colors

XYZ(17.9951, 28.2194, 39.9849)

Have a look what the booklet for
XYZ(17.9951, 28.2194, 39.9849)
contains.

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Color

**XYZ(20.0670, 29.2675,
40.1889)**

Conversions

Conversions Part 1

Format	Color
Hex	00A4A5
RGB	0, 164, 165
RGB Percent	0%, 64%, 65%
CMY	0.9999, 0.3569, 0.3529
CMYK	1.00, 0.01, 0.00, 0.35
HSL	180°, 100%, 32%
HSV	180°, 100%, 65%
XYZ	20.0670, 29.2675, 40.1889
YIQ	115.0780, -98.0650, -34.4570

Conversions

Conversions Part 2

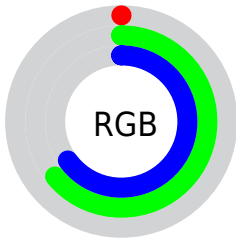
Format	Color
RYB	0, 82, 165
Decimal	42149
CIELab	61.02, -34.24, -10.68
CIELCh	61, 35.869, 197.317
Yxy	29.2675, 0.2242, 0.3269
Android (android.graphics.Color)	4278232229 (0xFF00A4A5)
YUV	115.0780, 24.6115, -100.9234
Hunter-Lab	54.0994, -28.4634, -6.1752

Details

The XYZ color **20.0670, 29.2675, 40.1889** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.5286, 8.0219, 0.7308**, and the grayscale version is **16.2714, 17.1188, 18.6424**.

A 20% lighter version of the original color is **43.1276, 58.7334, 76.7738**, and **8.6651, 12.5611, 17.5906** is the 20% darker color. If you saturate the color by 10%, you get **20.0675, 29.2683, 40.1896**, and if you desaturate by 10%, it is **20.3083, 29.4191, 40.2060**.

Distribution



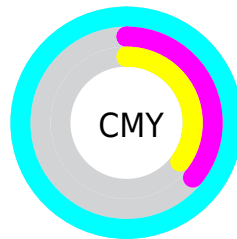
- Red (0%)
- Green (64%)
- Blue (65%)



- Red (0%)
- Yellow (32%)
- Blue (65%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (36%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0670, 29.2675, 40.1889 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 20.0670, 29.2675, 40.1889 by changing the saturation by 10% instead.

■ 20.0670, 29.2675,
40.1889

■ 20.0670, 29.2675,
40.1889

■ 245.1043,
298.4750, 362.4949

■ 12.5523, 19.2833,
27.3710

■ 43.0326, 58.5018,
76.6913

■ 7.1959, 11.8751,
17.6171

■ 59.2142, 78.5207,
101.2129

■ 3.6323, 6.6587,
10.5089

■ 79.0154, 102.6533,
130.4727

■ 1.4963, 3.2496,
5.6276

■ 102.8017,
131.2839, 164.8893

■ 0.3233, 1.2634,
2.5549

■ 130.9384,
164.7970, 204.8813

■ 0.0000, 0.1126,
0.8690

■ 163.7908,

■ 0.0000, 0.0000,

203.5769, 250.8672

0.0000

201.7243,
248.0082, 303.2655

■ 20.0670, 29.2675,
40.1889

■ 20.0670, 29.2675,
40.1889

■ 20.0675, 29.2683,
40.1896

■ 20.3083, 29.4191,
40.2060

■ 20.7315, 29.6638,
40.2309

■ 21.4136, 30.0421,
40.2680

■ 22.3880, 30.5710,
40.3187

■ 23.6832, 31.2653,
40.3845

■ 25.3241, 32.1379,
40.4664

■ 27.3334, 33.2004,
40.5656

■ 29.7317, 34.4635,
40.6830

■ 32.5382, 35.9370,
40.8195

Harmonies

Analogous

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



19.9156, 29.2675, 26.5272



20.0670, 29.2675, 40.1889



22.1417, 29.2675, 54.8703

Triad

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



20.0670, 29.2675, 40.1889



34.9869, 29.2675, 52.7761



29.8449, 29.2675, 12.7295

Complementary

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



20.0670, 29.2675, 40.1889



15.5286, 8.0219, 0.7308

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.



34.3896, 29.2675, 16.4036



20.0670, 29.2675, 40.1889



37.5748, 29.2675, 37.8799

Square

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



20.0670, 29.2675, 40.1889



30.5892, 29.2675, 63.4249



37.3447, 29.2675, 24.7819



25.2192, 29.2675, 13.0249

Rectangle

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



20.0670, 29.2675, 40.1889



24.4835, 29.2675, 62.1257



37.3447, 29.2675, 24.7819



31.4420, 29.2675, 13.4855

Sweetspot

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



20.0679, 29.2686, 40.1896



48.7285, 59.3411, 72.6380



13.4559, 26.9110, 4.4860



10.3249, 12.7998, 15.8639



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.0679, 29.2686, 40.1896



35.9330, 52.4049, 71.9736



9.8484, 8.8296, 36.7831



7.2724, 8.0039, 9.0647



15.1824, 22.1443, 30.4039



0.3201, 0.4675, 0.6392

Inverse Universe

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



22.2187, 10.6805, 36.0135



39.7879, 19.1254, 64.4807



18.5738, 14.1122, 1.7459



7.3625, 7.2014, 8.8952



16.8089, 8.0796, 27.2478



0.3537, 0.1700, 0.5754

Previews

White Background



This preview shows how the XYZ color 20.0670, 29.2675, 40.1889 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 20.0670, 29.2675, 40.1889 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

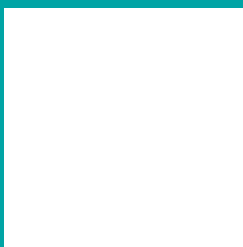
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0670, 29.2675, 40.1889

Background



This preview shows how black text looks on a background with the XYZ color 20.0670, 29.2675, 40.1889.

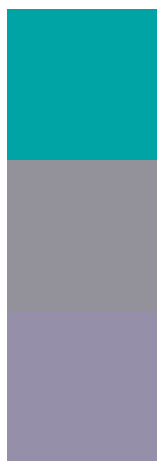


This preview shows how white text looks on a background with the XYZ color 20.0670, 29.2675,

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

20.0670, 29.2675, 40.1889

Protanopia

28.1442, 29.0939, 34.7042

Deuteranopia

29.4726, 28.9368, 42.0622



Tritanopia

21.2635, 29.2365, 45.5968

Trichromacy



Original Color

20.0670, 29.2675, 40.1889

Protanomaly

22.1789, 27.6308, 36.5121

Deuteranomaly

22.8538, 27.3933, 41.1287

Tritanomaly

20.7930, 29.3015, 43.5896

Monochromacy



Original Color

20.0670, 29.2675, 40.1889

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.3688, 19.8850, 25.2185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0670, 29.2675, 40.1889 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, 164, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 165)  
}
```

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, 164, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 165) }
```

Border

The CSS property to change the border of an element to XYZ 20.0670, 29.2675, 40.1889 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, 164, 165) }
```


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

```
.border{ border-color:rgb(0, 164, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 164, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0670, 29.2675, 40.1889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 165) }
```

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

```
.background{ background-color: rgb(0, 164,  
165) }
```

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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