

Converting Colors

XYZ(19.8532, 28.0631, 55.6597)

Have a look what the booklet for
XYZ(19.8532, 28.0631, 55.6597)
contains.

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Color

**XYZ(22.4825, 29.3848,
55.5258)**

Conversions

Conversions Part 1

Format	Color
Hex	00A1C2
RGB	0, 161, 194
RGB Percent	0%, 63%, 76%
CMY	0.9998, 0.3686, 0.2392
CMYK	1.00, 0.17, 0.00, 0.24
HSL	190°, 100%, 38%
HSV	190°, 100%, 76%
XYZ	22.4825, 29.3848, 55.5258
YIQ	116.6230, -106.5490, -23.8690

Conversions

Conversions Part 2

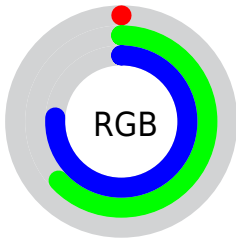
Format	Color
RYB	0, 88, 194
Decimal	41410
CIELab	61.12, -23.19, -26.82
CIELCh	61, 35.457, 229.154
Yxy	29.3848, 0.2093, 0.2736
Android (android.graphics.Color)	4278231490 (0xFF00A1C2)
YUV	116.6230, 38.1469, -102.2784
Hunter-Lab	54.2077, -20.8312, -22.7862

Details

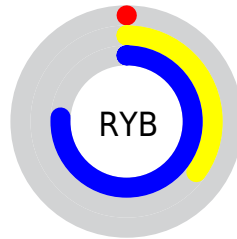
The XYZ color **22.4825, 29.3848, 55.5258** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **22.7936, 12.5596, 1.2241**, and the grayscale version is **16.7059, 17.5759, 19.1402**.

A 20% lighter version of the original color is **47.1140, 58.7294, 100.1195**, and **10.2023, 12.8307, 26.7498** is the 20% darker color. If you saturate the color by 10%, you get **22.4817, 29.3830, 55.5261**, and if you desaturate by 10%, it is **23.3447, 30.6974, 55.7343**.

Distribution



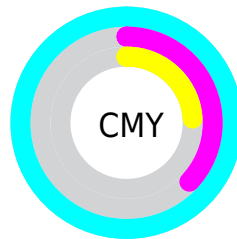
- Red (0%)
- Green (63%)
- Blue (76%)



- Red (0%)
- Yellow (35%)
- Blue (76%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (37%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4825, 29.3848, 55.5258 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 22.4825, 29.3848, 55.5258 by changing the saturation by 10% instead.

■ 22.4825, 29.3848,
55.5258

■ 22.4825, 29.3848,
55.5258

257.6410,
299.0262, 425.2400

■ 14.3304, 19.3721,
39.4214

■ 47.0151, 58.6879,
99.7898

■ 8.4341, 11.9395,
26.7774

■ 64.1264, 78.7471,
128.7864

■ 4.4281, 6.7025,
17.1751

■ 84.9548, 102.9239,
162.9176

■ 1.9470, 3.2767,
10.1962

■ 109.8657,
131.6028, 202.6018

■ 0.6040, 1.2779,
5.4219

■ 139.2244,
165.1680, 248.2576

■ 0.0000, 0.1240,
2.4338

173.3963,

■ 0.0000, 0.0000,

204.0041, 300.3036

0.8048

212.7467,
248.4954, 359.1582

■ 0.0000, 0.0000,
0.0000

■ 22.4825, 29.3848,
55.5258

■ 22.4825, 29.3848,
55.5258

■ 22.4817, 29.3830,
55.5261

■ 23.3447, 30.6974,
55.7343

■ 24.4980, 32.1824,
55.9601

■ 26.0416, 33.8915,
56.2087

■ 28.0261, 35.8510,
56.4823

■ 30.4942, 38.0831,
56.7831

■ 33.4837, 40.6074,
57.1127

■ 37.0283, 43.4415,
57.4729

■ 41.1590, 46.6014,
57.8652

■ 45.9042, 50.1021,
58.2908

Harmonies

Analogous

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



20.3090, 29.3848, 41.1495



22.4825, 29.3848, 55.5258



26.2812, 29.3848, 64.2918

Triad

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



22.4825, 29.3848, 55.5258



37.6586, 29.3848, 37.0569



25.0984, 29.3848, 13.3957

Complementary

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



22.4825, 29.3848, 55.5258



22.7936, 12.5596, 1.2241

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.



29.6450, 29.3848, 12.8657



22.4825, 29.3848, 55.5258



37.2510, 29.3848, 24.3102

Square

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



22.4825, 29.3848, 55.5258



35.2503, 29.3848, 51.8244



34.1918, 29.3848, 16.2759



21.6995, 29.3848, 18.0048

Rectangle

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



22.4825, 29.3848, 55.5258



29.3755, 29.3848, 64.5009



34.1918, 29.3848, 16.2759



26.5315, 29.3848, 12.7943

Sweetspot

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



22.4835, 29.3858, 55.5265



66.7409, 78.4348, 104.0916



19.5583, 38.6906, 7.8302



13.9878, 16.6800, 22.7323



0.0000, 0.0000, 0.0000



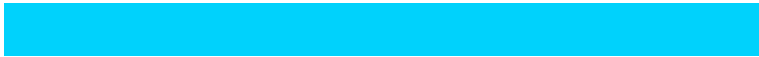
20.3446, 21.4041, 23.3091

Same Dimension

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



22.4835, 29.3858, 55.5265



40.5653, 52.9033, 100.5431



11.6111, 7.6411, 51.9024



10.2180, 11.1273, 12.8941



14.8333, 19.4231, 36.5239



0.6803, 0.9181, 1.5912

Inverse Universe

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



28.6821, 14.0437, 34.9182



51.8786, 25.4078, 62.8163



30.1448, 27.2620, 3.6745



10.4213, 10.2171, 12.3093



18.8831, 9.2430, 23.0945



0.8358, 0.4073, 1.1027

Previews

White Background



This preview shows how the XYZ color 22.4825, 29.3848, 55.5258 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 22.4825, 29.3848, 55.5258 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

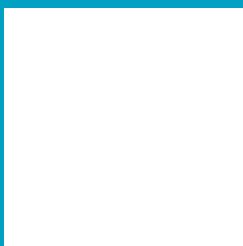
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.4825, 29.3848, 55.5258

Background



This preview shows how black text looks on a background with the XYZ color 22.4825, 29.3848, 55.5258.

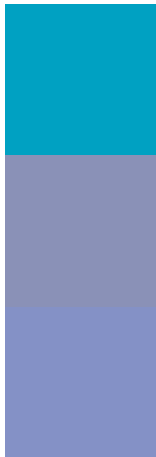


This preview shows how white text looks on a background with the XYZ color 22.4825, 29.3848,

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

22.4825, 29.3848, 55.5258

Protanopia

29.1539, 29.0730, 48.8748

Deuteranopia

29.8342, 29.2335, 57.4963



Tritanopia

20.9337, 29.3290, 45.6320

Trichromacy



Original Color

22.4825, 29.3848, 55.5258

Protanomaly

24.0608, 27.7958, 51.1107

Deuteranomaly

24.8008, 28.0493, 56.9302

Tritanomaly

21.4676, 29.2596, 49.3159

Monochromacy



Original Color

22.4825, 29.3848, 55.5258

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.3224, 20.2752, 29.8413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4825, 29.3848, 55.5258 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 194) }
```

Border

The CSS property to change the border of an element to XYZ 22.4825, 29.3848, 55.5258 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, 194) }
```


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

```
.border{ border-color:rgb(0, 161, 194) }
```

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, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 194);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4825, 29.3848, 55.5258 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, 194) }
```

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

```
.background{ background-color: rgb(0, 161,  
194) }
```

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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