

Converting Colors

XYZ(19.8846, 28.1233, 57.7492)

Have a look what the booklet for
XYZ(19.8846, 28.1233, 57.7492)
contains.

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Color

**XYZ(22.9379, 29.5670,
57.9241)**

Conversions

Conversions Part 1

Format	Color
Hex	00A1C6
RGB	0, 161, 198
RGB Percent	0%, 63%, 78%
CMY	0.9998, 0.3686, 0.2235
CMYK	1.00, 0.19, 0.00, 0.22
HSL	191°, 100%, 39%
HSV	191°, 100%, 78%
XYZ	22.9379, 29.5670, 57.9241
YIQ	117.0790, -107.8330, -22.6250

Conversions

Conversions Part 2

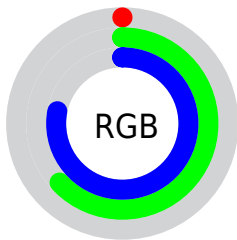
Format	Color
R_{YB}	0, 89, 198
Decimal	41414
CIE _{Lab}	61.28, -21.80, -28.82
CIE _{LCh}	61, 36.134, 232.890
Yxy	29.5670, 0.2077, 0.2677
Android (android.graphics.Color)	4278231494 (0xFF00A1C6)
YUV	117.0790, 39.8941, -102.6783
Hunter-Lab	54.3755, -19.8584, -25.0964

Details

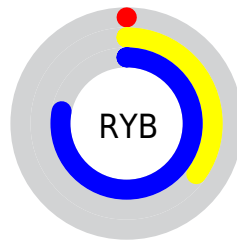
The XYZ color **22.9379, 29.5670, 57.9241** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **23.9519, 13.3315, 1.3120**, and the grayscale version is **16.8413, 17.7183, 19.2953**.

A 20% lighter version of the original color is **47.7515, 58.9844, 103.4761**, and **10.5027, 12.9509, 28.3318** is the 20% darker color. If you saturate the color by 10%, you get **22.9371, 29.5652, 57.9244**, and if you desaturate by 10%, it is **23.8800, 31.0275, 58.1569**.

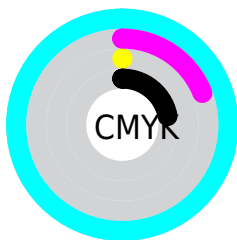
Distribution



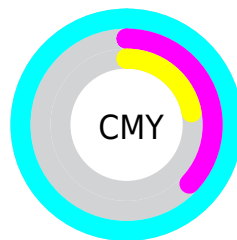
- Red (0%)
- Green (63%)
- Blue (78%)



- Red (0%)
- Yellow (35%)
- Blue (78%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (37%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9379, 29.5670, 57.9241 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 22.9379, 29.5670, 57.9241 by changing the saturation by 10% instead.

■ 22.9379, 29.5670,
57.9241

■ 22.9379, 29.5670,
57.9241

259.9472,
299.8809, 434.4934

■ 14.6681, 19.5102,
41.3333

■ 47.7587, 58.9767,
103.3260

■ 8.6716, 12.0395,
28.2580

■ 65.0405, 79.0984,
132.9742

■ 4.5830, 6.7706,
18.2795

■ 86.0570, 103.3439,
167.8120

■ 2.0369, 3.3190,
10.9793

■ 111.1735,
132.0974, 208.2579

■ 0.6546, 1.3005,
5.9389

■ 140.7554,
165.7435, 254.7305

■ 0.0000, 0.1416,
2.7398

175.1681,

■ 0.0000, 0.0000,

204.6665, 307.6482

0.9634

214.7769,
249.2509, 367.4297

■ 0.0000, 0.0000,
0.0000

■ 22.9379, 29.5670,
57.9241

■ 22.9379, 29.5670,
57.9241

■ 22.9371, 29.5652,
57.9244

■ 23.8800, 31.0275,
58.1569

■ 25.1315, 32.6757,
58.4091

■ 26.7953, 34.5653,
58.6861

■ 28.9247, 36.7240,
58.9906

■ 31.5647, 39.1753,
59.3246

■ 34.7550, 41.9399,
59.6901

■ 38.5312, 45.0363,
60.0887

■ 42.9258, 48.4816,
60.5221

■ 47.9689, 52.2915,
60.9917

Harmonies

Analogous

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



20.4912, 29.5670, 43.4936



22.9379, 29.5670, 57.9241



26.9857, 29.5670, 65.8058

Triad

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



22.9379, 29.5670, 57.9241



38.1897, 29.5670, 35.5454



24.6933, 29.5670, 13.5904

Complementary

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



22.9379, 29.5670, 57.9241



23.9519, 13.3315, 1.3120

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.



29.2498, 29.5670, 12.5697



22.9379, 29.5670, 57.9241



37.3979, 29.5670, 23.0426

Square

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



22.9379, 29.5670, 57.9241



36.0450, 29.5670, 50.7231



33.9895, 29.5670, 15.4976



21.4219, 29.5670, 18.8353

Rectangle

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



22.9379, 29.5670, 57.9241



30.1925, 29.5670, 65.0699



33.9895, 29.5670, 15.4976



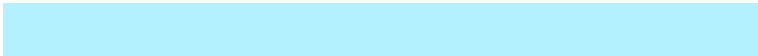
26.1113, 29.5670, 12.8163

Sweetspot

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



22.9389, 29.5680, 57.9248



67.8923, 79.4787, 106.3704



20.5183, 40.5183, 8.4352



13.8959, 16.4963, 22.7017



0.0000, 0.0000, 0.0000



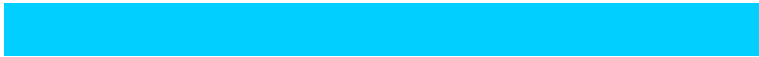
20.3446, 21.4041, 23.3091

Same Dimension

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



22.9389, 29.5680, 57.9248



40.4455, 52.0109, 102.5152



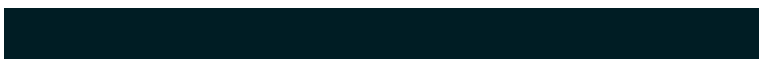
11.9561, 7.6024, 54.2639



10.7717, 11.7175, 13.6115



14.9751, 19.3440, 37.6889



0.7539, 1.0056, 1.7995

Inverse Universe

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



29.7226, 14.5800, 34.9669



52.5442, 25.7817, 61.4571



31.9969, 29.4215, 3.9936



10.9948, 10.7813, 12.9559



19.3580, 9.4928, 22.8931



0.9392, 0.4585, 1.2032

Previews

White Background



This preview shows how the XYZ color 22.9379, 29.5670, 57.9241 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 22.9379, 29.5670, 57.9241 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 22.9379, 29.5670, 57.9241

Background



This preview shows how black text looks on a background with the XYZ color 22.9379, 29.5670, 57.9241.

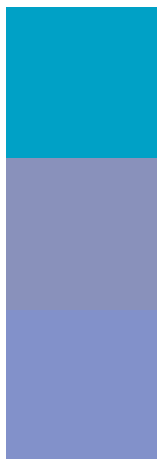


This preview shows how white text looks on a background with the XYZ color 22.9379, 29.5670,

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

22.9379, 29.5670, 57.9241

Protanopia

29.4116, 29.1570, 51.0914

Deuteranopia

29.9920, 29.2609, 59.9443



Tritanopia

21.1119, 29.6855, 45.6915

Trichromacy



Original Color

22.9379, 29.5670, 57.9241



Protanomaly

24.4011, 27.9210, 53.3934



Deuteranomaly

25.1765, 28.1893, 59.3725



Tritanomaly

21.7489, 29.6551, 49.9251

Monochromacy



Original Color

22.9379, 29.5670, 57.9241



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

16.3999, 20.3062, 30.2493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9379, 29.5670, 57.9241 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 198) }
```

Border

The CSS property to change the border of an element to XYZ 22.9379, 29.5670, 57.9241 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, 198) }
```


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

```
.border{ border-color:rgb(0, 161, 198) }
```

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, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9379, 29.5670, 57.9241 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, 198) }
```

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

```
.background{ background-color: rgb(0, 161,  
198) }
```

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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