

Converting Colors

XYZ(21.4601, 27.4095, 58.7888)

Have a look what the booklet for
XYZ(21.4601, 27.4095, 58.7888)
contains.

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Color

**XYZ(22.3138, 27.9471,
58.8618)**

Conversions

Conversions Part 1

Format	Color
Hex	009CC8
RGB	0, 156, 200
RGB Percent	0%, 61%, 78%
CMY	0.9998, 0.3882, 0.2157
CMYK	1.00, 0.22, 0.00, 0.22
HSL	193°, 100%, 39%
HSV	193°, 100%, 78%
XYZ	22.3138, 27.9471, 58.8618
YIQ	114.3720, -107.1000, -19.3880

Conversions

Conversions Part 2

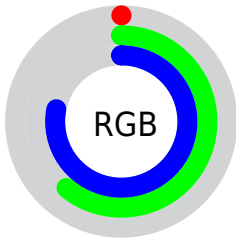
Format	Color
R _{YB}	0, 88, 200
Decimal	40136
CIE Lab	59.84, -18.45, -32.16
CIE LCh	60, 37.082, 240.157
Yxy	27.9471, 0.2045, 0.2561
Android (android.graphics.Color)	4278230216 (0xFF009CC8)
YUV	114.3720, 42.2146, -100.3042
Hunter-Lab	52.8650, -17.1707, -29.0101

Details

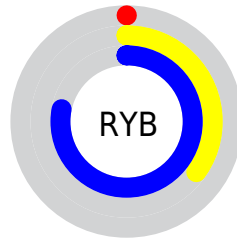
The XYZ color **22.3138, 27.9471, 58.8618** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **24.7221, 14.0841, 1.4168**, and the grayscale version is **16.0103, 16.8441, 18.3432**.

A 20% lighter version of the original color is **46.4899, 56.4612, 103.0556**, and **10.2399, 12.1785, 29.0051** is the 20% darker color. If you saturate the color by 10%, you get **22.3126, 27.9446, 58.8619**, and if you desaturate by 10%, it is **23.3556, 29.6009, 59.1267**.

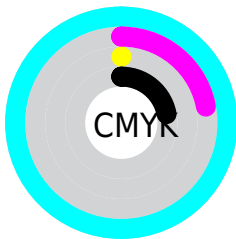
Distribution



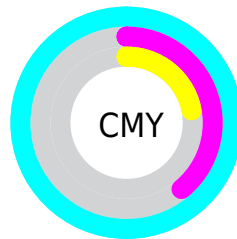
- Red (0%)
- Green (61%)
- Blue (78%)



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



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



- Cyan (100%)
- Magenta (39%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3138, 27.9471, 58.8618 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 22.3138, 27.9471, 58.8618 by changing the saturation by 10% instead.

■ 22.3138, 27.9471,
58.8618

■ 22.3138, 27.9471,
58.8618

256.7823,
292.2141, 438.0772

■ 14.2056, 18.2858,
42.0826

■ 46.7391, 56.4000,
104.7039

■ 8.3464, 11.1554,
28.8399

■ 63.7869, 75.9603,
134.6039

■ 4.3711, 6.1714,
18.7152

■ 84.5452, 99.5891,
169.7146

■ 1.9141, 2.9496,
11.2900

■ 109.3794,
127.6708, 210.4545

■ 0.5850, 1.1055,
6.1456

■ 138.6548,
160.5898, 257.2422

■ 0.0000, 0.0000,
2.8636

172.7369,

■ 0.0000, 0.0000,

198.7303, 310.4962

1.0254

211.9910,
242.4770, 370.6350

■ 0.0000, 0.0000,
0.0000

■ 22.3138, 27.9471,
58.8618

■ 22.3138, 27.9471,
58.8618

■ 22.3126, 27.9446,
58.8619

■ 23.3556, 29.6009,
59.1267

■ 24.7220, 31.4617,
59.4138

■ 26.5176, 33.5843,
59.7289

■ 28.7973, 35.9974,
60.0745

■ 31.6075, 38.7253,
60.4529

■ 34.9887, 41.7893,
60.8661

■ 38.9777, 45.2087,
61.3159

■ 43.6079, 49.0010,
61.8039

■ 48.9101, 53.1828,
62.3316

Harmonies

Analogous

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



19.4884, 27.9471, 45.3764



22.3138, 27.9471, 58.8618



26.5877, 27.9471, 64.3536

Triad

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



22.3138, 27.9471, 58.8618



36.6665, 27.9471, 30.3585



22.2755, 27.9471, 13.0854

Complementary

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



22.3138, 27.9471, 58.8618



24.7221, 14.0841, 1.4168

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.



26.5380, 27.9471, 11.1889



22.3138, 27.9471, 58.8618



35.1705, 27.9471, 19.1888

Square

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



22.3138, 27.9471, 58.8618



35.2005, 27.9471, 45.2157



31.3198, 27.9471, 13.0449



19.4682, 27.9471, 19.2795

Rectangle

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



22.3138, 27.9471, 58.8618



29.8013, 27.9471, 61.7764



31.3198, 27.9471, 13.0449



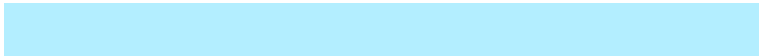
23.5680, 27.9471, 12.0226

Sweetspot

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



22.3148, 27.9481, 58.8625



67.1482, 77.9905, 106.1223



21.0978, 41.4864, 9.2167



13.7164, 16.1374, 22.6418



0.0000, 0.0000, 0.0000



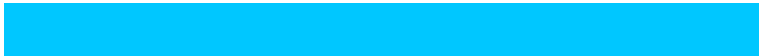
20.3446, 21.4041, 23.3091

Same Dimension

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



22.3148, 27.9481, 58.8625



38.4480, 48.0160, 101.8493



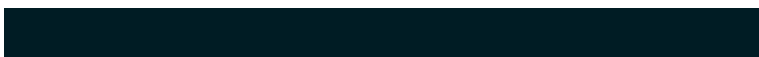
11.8742, 7.0670, 55.3823



10.7411, 11.6562, 13.6013



14.2556, 17.9051, 37.4490



0.7254, 0.9487, 1.7900

Inverse Universe

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



29.8210, 14.6808, 32.7153



51.5360, 25.3784, 56.1478



33.6944, 32.0286, 4.4075



10.9793, 10.7751, 12.8745



18.9949, 9.3475, 20.9808



0.9249, 0.4528, 1.1275

Previews

White Background



This preview shows how the XYZ color 22.3138, 27.9471, 58.8618 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 22.3138, 27.9471, 58.8618 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 22.3138, 27.9471, 58.8618

Background



This preview shows how black text looks on a background with the XYZ color 22.3138, 27.9471, 58.8618.

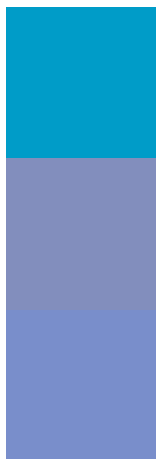


This preview shows how white text looks on a background with the XYZ color 22.3138, 27.9471,

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

22.3138, 27.9471, 58.8618

Protanopia

28.0642, 27.7660, 52.0243

Deuteranopia

28.3377, 27.7227, 60.3574



Tritanopia

19.8445, 27.7748, 43.3449

Trichromacy



Original Color

22.3138, 27.9471, 58.8618

Protanomaly

23.6266, 26.5567, 54.3328

Deuteranomaly

24.1550, 26.7095, 59.7595

Tritanomaly

20.6704, 27.8311, 48.5385

Monochromacy



Original Color

22.3138, 27.9471, 58.8618

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.7087, 19.1613, 29.6586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3138, 27.9471, 58.8618 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, 156, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 200)  
}
```

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, 156, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 200) }
```

Border

The CSS property to change the border of an element to XYZ 22.3138, 27.9471, 58.8618 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, 156, 200) }
```


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

```
.border{ border-color:rgb(0, 156, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 156, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3138, 27.9471, 58.8618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 200) }
```

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

```
.background{ background-color: rgb(0, 156,  
200) }
```

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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