

Converting Colors

XYZ(7.2387, 19.5295, 63.2419)

Have a look what the booklet for
XYZ(7.2387, 19.5295, 63.2419)
contains.

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Color

**XYZ(22.9408, 27.6653,
63.8053)**

Conversions

Conversions Part 1

Format	Color
Hex	009AD0
RGB	0, 154, 208
RGB Percent	0%, 60%, 82%
CMY	0.9998, 0.3961, 0.1843
CMYK	1.00, 0.26, 0.00, 0.18
HSL	196°, 100%, 41%
HSV	196°, 100%, 82%
XYZ	22.9408, 27.6653, 63.8053
YIQ	114.1100, -109.1180, -15.8540

Conversions

Conversions Part 2

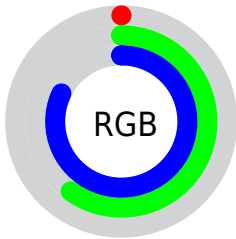
Format	Color
RYB	0, 88, 208
Decimal	39632
CIELab	59.59, -14.49, -37.04
CIELCh	60, 39.777, 248.640
Yxy	27.6653, 0.2005, 0.2418
Android (android.graphics.Color)	4278229712 (0xFF009AD0)
YUV	114.1100, 46.2878, -100.0745
Hunter-Lab	52.5978, -14.1925, -35.1050

Details

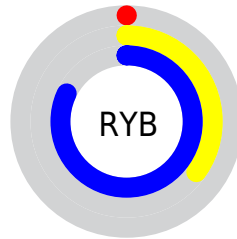
The XYZ color **22.9408, 27.6653, 63.8053** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **27.3344, 16.0531, 1.6593**, and the grayscale version is **15.9210, 16.7502, 18.2409**.

A 20% lighter version of the original color is **45.9727, 55.0985, 102.8198**, and **10.6000, 12.0004, 31.8946** is the 20% darker color. If you saturate the color by 10%, you get **22.9390, 27.6616, 63.8053**, and if you desaturate by 10%, it is **24.1589, 29.6470, 64.1242**.

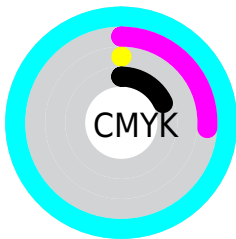
Distribution



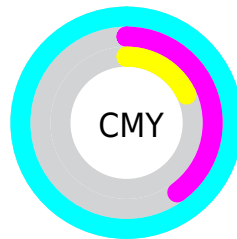
- Red (0%)
- Green (60%)
- Blue (82%)



- Red (0%)
- Yellow (35%)
- Blue (82%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (40%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9408, 27.6653, 63.8053 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 22.9408, 27.6653, 63.8053 by changing the saturation by 10% instead.

■ 22.9408, 27.6653,
63.8053

■ 22.9408, 27.6653,
63.8053

259.9618,
290.8641, 456.6744

■ 14.6703, 18.0735,
46.0478

■ 47.7635, 55.9496,
111.9273

■ 8.6731, 11.0028,
31.9346

■ 65.0463, 75.4110,
143.1288

■ 4.5840, 6.0687,
21.0472

■ 86.0640, 98.9309,
179.6488

■ 2.0375, 2.8869,
12.9669

■ 111.1818,
126.8939, 221.9058

■ 0.6549, 1.0730,
7.2753

■ 140.7651,
159.6844, 270.3183

■ 0.0000, 0.0000,
3.5538

175.1793,

■ 0.0000, 0.0000,

197.6866, 325.3049

1.3839

214.7898,
241.2851, 387.2840

■ 0.0000, 0.0000,
0.1291

■ 0.0000, 0.0000,
0.0000

■ 22.9408, 27.6653,
63.8053

■ 22.9408, 27.6653,
63.8053

■ 22.9390, 27.6616,
63.8053

■ 24.1589, 29.6470,
64.1242

■ 25.7457, 31.8787,
64.4713

■ 27.8135, 34.4194,
64.8527

■ 30.4230, 37.3012,
65.2714

■ 33.6256, 40.5512,
65.7299

■ 37.4662, 44.1933,
66.2305

■ 41.9854, 48.2492,
66.7752

■ 47.2202, 52.7386,
67.3658

■ 53.2049, 57.6798,
68.0042

Harmonies

Analogous

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



19.4669, 27.6653, 50.8376



22.9408, 27.6653, 63.8053



27.7686, 27.6653, 66.4496

Triad

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



22.9408, 27.6653, 63.8053



37.0125, 27.6653, 26.1662



20.7279, 27.6653, 13.3064

Complementary

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



22.9408, 27.6653, 63.8053



27.3344, 16.0531, 1.6593

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.



24.8745, 27.6653, 10.2542



22.9408, 27.6653, 63.8053



34.5580, 27.6653, 15.9734

Square

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



22.9408, 27.6653, 63.8053



36.3232, 27.6653, 41.3275



29.9613, 27.6653, 11.0448



18.3066, 27.6653, 21.1519

Rectangle

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



22.9408, 27.6653, 63.8053



31.1867, 27.6653, 61.3950



29.9613, 27.6653, 11.0448



21.9436, 27.6653, 11.8205

Sweetspot

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



22.9418, 27.6662, 63.8060



66.2720, 76.2382, 105.8303



23.1774, 45.3608, 10.7872



13.5056, 15.7157, 22.5716



0.0000, 0.0000, 0.0000



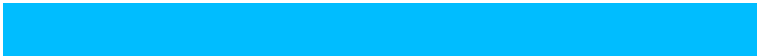
20.3446, 21.4041, 23.3091

Same Dimension

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



22.9418, 27.6662, 63.8060



36.2010, 43.5221, 101.1003



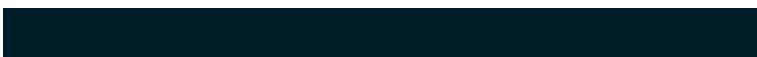
12.6156, 7.0138, 60.3639



11.8878, 12.8658, 15.1004



14.3786, 17.4038, 39.7939



0.8662, 1.0977, 2.2458

Inverse Universe

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



31.8461, 15.7443, 31.9331



50.4018, 24.9247, 50.1754



37.9036, 37.1915, 5.1824



12.1742, 11.9544, 14.1933



19.8884, 9.8282, 20.1161



1.1435, 0.5621, 1.2903

Previews

White Background



This preview shows how the XYZ color 22.9408, 27.6653, 63.8053 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 22.9408, 27.6653, 63.8053 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 22.9408, 27.6653, 63.8053

Background



This preview shows how black text looks on a background with the XYZ color 22.9408, 27.6653, 63.8053.

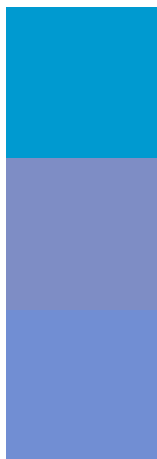


This preview shows how white text looks on a background with the XYZ color 22.9408, 27.6653,

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

22.9408, 27.6653, 63.8053

Protanopia

28.2071, 27.5166, 56.6479

Deuteranopia

28.2409, 27.5599, 65.4591



Tritanopia

19.7488, 27.7365, 42.8409

Trichromacy



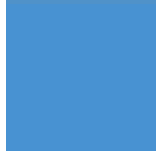
Original Color

22.9408, 27.6653, 63.8053



Protanomaly

24.1298, 26.4803, 59.0978



Deuteranomaly

24.5842, 26.5886, 64.8092



Tritanomaly

20.7087, 27.5746, 49.5784

Monochromacy



Original Color

22.9408, 27.6653, 63.8053



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

15.9432, 19.2551, 30.8933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9408, 27.6653, 63.8053 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, 154, 208)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 208)  
}
```

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, 154, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 208) }
```

Border

The CSS property to change the border of an element to XYZ 22.9408, 27.6653, 63.8053 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, 154, 208) }
```


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

```
.border{ border-color:rgb(0, 154, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 154, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 208);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9408, 27.6653, 63.8053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 208) }
```

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

```
.background{ background-color: rgb(0, 154,  
208) }
```

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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