

Converting Colors

XYZ(22.6011, 28.7571, 59.3950)

Have a look what the booklet for
XYZ(22.6011, 28.7571, 59.3950)
contains.

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Color

**XYZ(22.9408, 29.0133,
59.6494)**

Conversions

Conversions Part 1

Format	Color
Hex	009FC9
RGB	0, 159, 201
RGB Percent	0%, 62%, 79%
CMY	0.9998, 0.3765, 0.2118
CMYK	1.00, 0.21, 0.00, 0.21
HSL	193°, 100%, 39%
HSV	193°, 100%, 79%
XYZ	22.9408, 29.0133, 59.6494
YIQ	116.2470, -108.2460, -20.6460

Conversions

Conversions Part 2

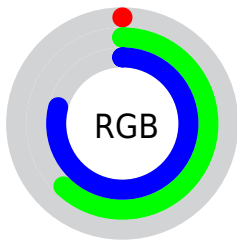
Format	Color
RYB	0, 89, 201
Decimal	40905
CIELab	60.79, -19.70, -31.25
CIELCh	61, 36.936, 237.775
Yxy	29.0133, 0.2056, 0.2600
Android (android.graphics.Color)	4278230985 (0xFF009FC9)
YUV	116.2470, 41.7832, -101.9486
Hunter-Lab	53.8640, -18.2384, -27.9534

Details

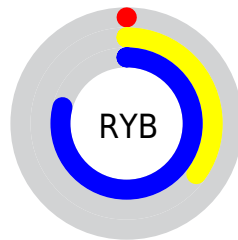
The XYZ color **22.9408, 29.0133, 59.6494** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **24.9177, 14.0772, 1.4053**, and the grayscale version is **16.5807, 17.4442, 18.9967**.

A 20% lighter version of the original color is **47.3521, 58.0225, 103.3115**, and **10.5242, 12.6220, 29.4854** is the 20% darker color. If you saturate the color by 10%, you get **22.9394, 29.0104, 59.6495**, and if you desaturate by 10%, it is **23.9675, 30.6338, 59.9087**.

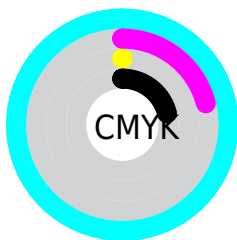
Distribution



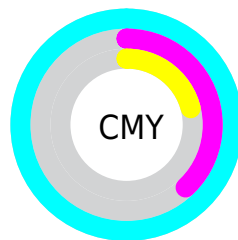
- Red (0%)
- Green (62%)
- Blue (79%)



- Red (0%)
- Yellow (35%)
- Blue (79%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (38%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9408, 29.0133, 59.6494 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, 29.0133, 59.6494 by changing the saturation by 10% instead.

■ 22.9408, 29.0133,
59.6494

■ 22.9408, 29.0133,
59.6494

259.9618,
297.2777, 441.0730

■ 14.6703, 19.0909,
42.7127

■ 47.7635, 58.0982,
105.8593

■ 8.6731, 11.7360,
29.3300

■ 65.0463, 78.0295,
135.9695

■ 4.5840, 6.5642,
19.0829

■ 86.0640, 102.0659,
171.3080

■ 2.0375, 3.1911,
11.5528

■ 111.1818,
130.5917, 212.2933

■ 0.6549, 1.2323,
6.3211

■ 140.7651,
163.9914, 259.3439

■ 0.0000, 0.0878,
2.9694

175.1793,

■ 0.0000, 0.0000,

202.6494, 312.8783

1.0790

214.7898,
246.9500, 373.3152

■ 0.0000, 0.0000,
0.0000

■ 22.9408, 29.0133,
59.6494

■ 22.9408, 29.0133,
59.6494

■ 22.9394, 29.0104,
59.6495

■ 23.9675, 30.6338,
59.9087

■ 25.3204, 32.4588,
60.1896

■ 27.1049, 34.5435,
60.4980

■ 29.3764, 36.9168,
60.8363

■ 32.1820, 39.6031,
61.2070

■ 35.5627, 42.6241,
61.6119

■ 39.5555, 45.9993,
62.0529

■ 44.1944, 49.7462,
62.5317

■ 49.5106, 53.8814,
63.0496

Harmonies

Analogous

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



20.1884, 29.0133, 45.5817



22.9408, 29.0133, 59.6494



27.2195, 29.0133, 66.0570

Triad

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



22.9408, 29.0133, 59.6494



37.8675, 29.0133, 32.6281



23.4942, 29.0133, 13.4973

Complementary

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



22.9408, 29.0133, 59.6494



24.9177, 14.0772, 1.4053

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.



27.9362, 29.0133, 11.8524



22.9408, 29.0133, 59.6494



36.5770, 29.0133, 20.8026

Square

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



22.9408, 29.0133, 59.6494



36.1460, 29.0133, 47.8895



32.7976, 29.0133, 14.0880



20.4809, 29.0133, 19.4858

Rectangle

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



22.9408, 29.0133, 59.6494



30.4915, 29.0133, 64.0465



32.7976, 29.0133, 14.0880



24.8530, 29.0133, 12.5104

Sweetspot

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



22.9418, 29.0143, 59.6501



67.3949, 78.4839, 106.2046



21.2746, 41.9289, 9.0008



13.7759, 16.2563, 22.6617



0.0000, 0.0000, 0.0000



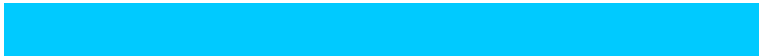
20.3446, 21.4041, 23.3091

Same Dimension

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



22.9418, 29.0143, 59.6501



39.1012, 49.3224, 102.0671



12.1768, 7.4844, 56.0618



10.7513, 11.6766, 13.6046



14.4910, 18.3760, 37.5275



0.7348, 0.9674, 1.7931

Inverse Universe

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



30.3464, 14.9220, 34.0825



51.8657, 25.5103, 57.8841



33.5710, 31.3838, 4.2897



10.9845, 10.7772, 12.9015



19.1137, 9.3951, 21.6066



0.9296, 0.4547, 1.1524

Previews

White Background



This preview shows how the XYZ color 22.9408, 29.0133, 59.6494 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, 29.0133, 59.6494 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

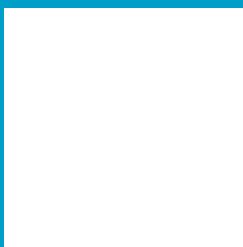
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.9408, 29.0133, 59.6494

Background



This preview shows how black text looks on a background with the XYZ color 22.9408, 29.0133, 59.6494.

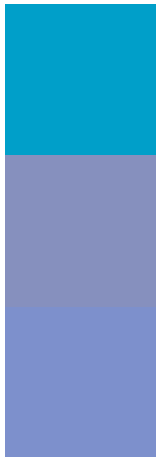


This preview shows how white text looks on a background with the XYZ color 22.9408, 29.0133,

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, 29.0133, 59.6494

Protanopia

29.0990, 28.7326, 52.7275

Deuteranopia

29.3298, 28.6661, 61.1140



Tritanopia

20.6582, 28.9358, 45.0538

Trichromacy



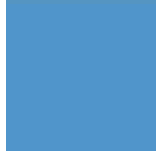
Original Color

22.9408, 29.0133, 59.6494



Protanomaly

24.2314, 27.3212, 55.0353



Deuteranomaly

24.8352, 27.5122, 60.5013



Tritanomaly

21.3966, 28.9504, 49.8077

Monochromacy



Original Color

22.9408, 29.0133, 59.6494



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

16.3418, 20.0650, 30.6154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9408, 29.0133, 59.6494 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, 159, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 201)  
}
```

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, 159, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 201) }
```

Border

The CSS property to change the border of an element to XYZ 22.9408, 29.0133, 59.6494 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, 159, 201) }
```


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

```
.border{ border-color:rgb(0, 159, 201) }
```

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

Here you see how a box with a 4 pixel rgb(0, 159, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9408, 29.0133, 59.6494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 201) }
```

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

```
.background{ background-color: rgb(0, 159,  
201) }
```

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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