

Converting Colors

XYZ(15.8899, 24.4823, 61.5039)

Have a look what the booklet for
XYZ(15.8899, 24.4823, 61.5039)
contains.

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Color

**XYZ(22.9079, 28.1847,
61.9904)**

Conversions

Conversions Part 1

Format	Color
Hex	009CCD
RGB	0, 156, 205
RGB Percent	0%, 61%, 80%
CMY	0.9998, 0.3882, 0.1961
CMYK	1.00, 0.24, 0.00, 0.20
HSL	194°, 100%, 40%
HSV	194°, 100%, 80%
XYZ	22.9079, 28.1847, 61.9904
YIQ	114.9420, -108.7050, -17.8330

Conversions

Conversions Part 2

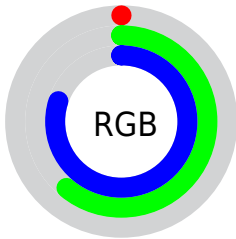
Format	Color
RYB	0, 89, 205
Decimal	40141
CIELab	60.06, -16.66, -34.63
CIELCh	60, 38.432, 244.306
Yxy	28.1847, 0.2026, 0.2492
Android (android.graphics.Color)	4278230221 (0xFF009CCD)
YUV	114.9420, 44.3986, -100.8041
Hunter-Lab	53.0893, -15.8839, -32.0683

Details

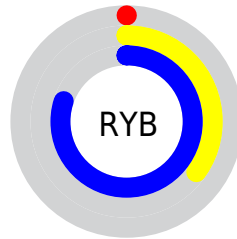
The XYZ color **22.9079, 28.1847, 61.9904** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **26.2775, 15.1798, 1.5463**, and the grayscale version is **16.1760, 17.0184, 18.5331**.

A 20% lighter version of the original color is **46.5998, 56.5179, 103.0607**, and **10.6375, 12.3375, 31.0989** is the 20% darker color. If you saturate the color by 10%, you get **22.9065, 28.1816, 61.9905**, and if you desaturate by 10%, it is **24.0472, 30.0181, 62.2848**.

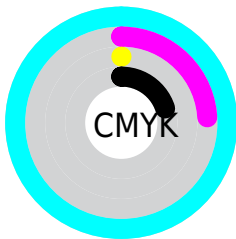
Distribution



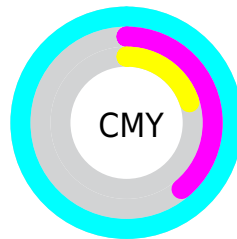
- Red (0%)
- Green (61%)
- Blue (80%)



- Red (0%)
- Yellow (35%)
- Blue (80%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (39%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9079, 28.1847, 61.9904 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 22.9079, 28.1847, 61.9904 by changing the saturation by 10% instead.

■ 22.9079, 28.1847,
61.9904

■ 22.9079, 28.1847,
61.9904

259.7958,
293.3484, 449.9028

■ 14.6458, 18.4649,
44.5892

■ 47.7098, 56.7792,
109.2831

■ 8.6559, 11.2843,
30.7934

■ 64.9804, 76.4227,
140.0117

■ 4.5727, 6.2584,
20.1844

■ 85.9845, 100.1429,
176.0199

■ 2.0310, 3.0028,
12.3438

■ 111.0875,
128.3242, 217.7261

■ 0.6513, 1.1332,
6.8529

■ 140.6548,
161.3511, 265.5490

■ 0.0000, 0.0061,
3.2932

175.0517,

■ 0.0000, 0.0000,

199.6078, 319.9070

1.2462

214.6436,
243.4788, 381.2188

■ 0.0000, 0.0000,
0.0171

■ 0.0000, 0.0000,
0.0000

■ 22.9079, 28.1847,
61.9904

■ 22.9079, 28.1847,
61.9904

■ 22.9065, 28.1816,
61.9905

■ 24.0472, 30.0181,
62.2848

■ 25.5364, 32.0814,
62.6046

■ 27.4851, 34.4318,
62.9555

■ 29.9514, 37.1001,
63.3406

■ 32.9850, 40.1122,
63.7621

■ 36.6291, 43.4911,
64.2222

■ 40.9226, 47.2573,
64.7229

■ 45.9013, 51.4297,
65.2658

■ 51.5980, 56.0258,
65.8527

Harmonies

Analogous

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



19.7354, 28.1847, 48.5467



22.9079, 28.1847, 61.9904



27.5023, 28.1847, 66.2250

Triad

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



22.9079, 28.1847, 61.9904



37.3249, 28.1847, 28.7067



21.8217, 28.1847, 13.3600

Complementary

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



22.9079, 28.1847, 61.9904



26.2775, 15.1798, 1.5463

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.



26.0875, 28.1847, 10.8792



22.9079, 28.1847, 61.9904



35.3494, 28.1847, 17.8542

Square

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



22.9079, 28.1847, 61.9904



36.2073, 28.1847, 43.9368



31.0848, 28.1847, 12.2298



19.1640, 28.1847, 20.4131

Rectangle

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



22.9079, 28.1847, 61.9904



30.8569, 28.1847, 62.4329



31.0848, 28.1847, 12.2298



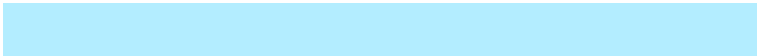
23.0948, 28.1847, 12.0808

Sweetspot

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



22.9089, 28.1857, 61.9911



66.7256, 77.1453, 105.9815



22.3629, 43.8757, 10.0724



13.6147, 15.9339, 22.6079



0.0000, 0.0000, 0.0000



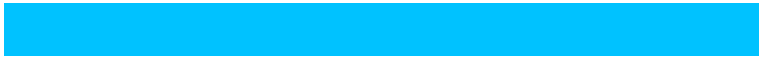
20.3446, 21.4041, 23.3091

Same Dimension

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



22.9089, 28.1857, 61.9911



37.3499, 45.8198, 101.4833



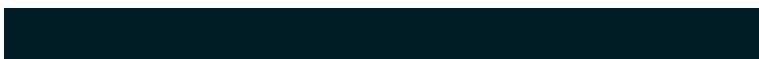
12.3722, 7.1122, 58.4789



11.3072, 12.2548, 14.3398



14.3367, 17.6974, 38.6166



0.7959, 1.0255, 2.0109

Inverse Universe

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



31.1785, 15.3806, 32.7788



50.9817, 25.1567, 53.2291



36.1390, 34.9028, 4.8335



11.5684, 11.3561, 13.5278



19.4474, 9.5896, 20.6065



1.0317, 0.5061, 1.2126

Previews

White Background



This preview shows how the XYZ color 22.9079, 28.1847, 61.9904 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 22.9079, 28.1847, 61.9904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

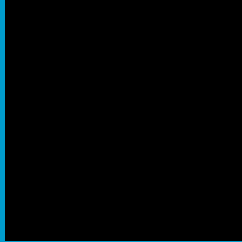
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.9079, 28.1847, 61.9904

Background



This preview shows how black text looks on a background with the XYZ color 22.9079, 28.1847, 61.9904.

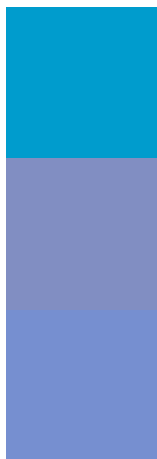


This preview shows how white text looks on a background with the XYZ color 22.9079, 28.1847,

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

22.9079, 28.1847, 61.9904

Protanopia

28.4639, 27.9082, 54.9255

Deuteranopia

28.6788, 28.0505, 63.5773



Tritanopia

20.0172, 28.1202, 43.4024

Trichromacy



Original Color

22.9079, 28.1847, 61.9904

Protanomaly

24.1064, 26.7385, 57.3166

Deuteranomaly

24.7540, 27.1807, 62.9732

Tritanomaly

21.0499, 28.2570, 49.6921

Monochromacy



Original Color

22.9079, 28.1847, 61.9904

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.0756, 19.5198, 30.9374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9079, 28.1847, 61.9904 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 205) }
```

Border

The CSS property to change the border of an element to XYZ 22.9079, 28.1847, 61.9904 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, 205) }
```


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

```
.border{ border-color:rgb(0, 156, 205) }
```

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, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9079, 28.1847, 61.9904 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, 205) }
```

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

```
.background{ background-color: rgb(0, 156,  
205) }
```

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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