

# Converting Colors

XYZ(23.0364, 28.6342, 61.4395)

Have a look what the booklet for  
XYZ(23.0364, 28.6342, 61.4395)  
contains.

<b>XYZ(22.9561, 28.4736, 61.4128)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(22.9561, 28.4736,  
61.4128)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	009DCC
RGB	0, 157, 204
RGB Percent	0%, 62%, 80%
CMY	0.9998, 0.3843, 0.2000
CMYK	1.00, 0.23, 0.00, 0.20
HSL	194°, 100%, 40%
HSV	194°, 100%, 80%
XYZ	22.9561, 28.4736, 61.4128
YIQ	115.4150, -108.6590, -18.6670

# Conversions

## Conversions Part 2

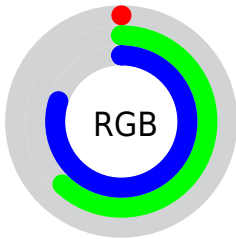
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 89, 204
Decimal	40396
CIELab	60.31, -17.56, -33.67
CIELCh	60, 37.974, 242.454
Yxy	28.4736, 0.2034, 0.2523
Android (android.graphics.Color)	4278230476 (0xFF009DCC)
YUV	115.4150, 43.6724, -101.2190
Hunter-Lab	53.3607, -16.5893, -30.8844

# Details

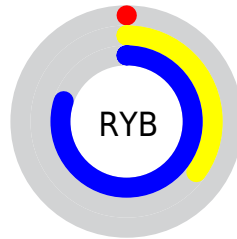
The XYZ color **22.9561, 28.4736, 61.4128** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **25.9208, 14.8745, 1.5063**, and the grayscale version is **16.3216, 17.1716, 18.6998**.

A 20% lighter version of the original color is **46.8490, 57.0163, 103.1438**, and **10.6591, 12.5101, 30.7071** is the 20% darker color. If you saturate the color by 10%, you get **22.9546, 28.4704, 61.4128**, and if you desaturate by 10%, it is **24.0650, 30.2493, 61.6977**.

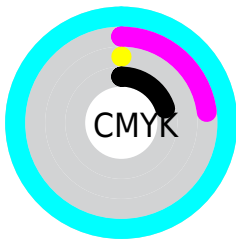
# Distribution



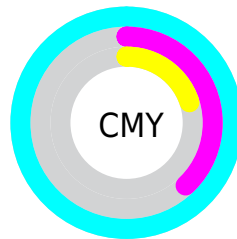
- Red (0%)
- Green (62%)
- Blue (80%)



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



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (38%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9561, 28.4736, 61.4128 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 22.9561, 28.4736, 61.4128 by changing the saturation by 10% instead.



■ 22.9561, 28.4736,  
61.4128

■ 22.9561, 28.4736,  
61.4128

260.0390,  
294.7231, 447.7343

■ 14.6816, 18.6830,  
44.1257

■ 47.7884, 57.2397,  
108.4398

■ 8.6811, 11.4414,  
30.4314

■ 65.0770, 76.9839,  
139.0167

■ 4.5892, 6.3646,  
19.9114

■ 86.1009, 100.8148,  
174.8606

■ 2.0406, 3.0680,  
12.1472

■ 111.2256,  
129.1168, 216.3901

■ 0.6566, 1.1673,  
6.7203

■ 140.8164,  
162.2742, 264.0237

■ 0.0000, 0.0348,  
3.2120

175.2387,

■ 0.0000, 0.0000,

200.6715, 318.1799

1.2039

214.8577,  
244.6930, 379.2772

■ 0.0000, 0.0000,  
0.0000

■ 22.9561, 28.4736,  
61.4128

■ 22.9561, 28.4736,  
61.4128

■ 22.9546, 28.4704,  
61.4128

■ 24.0650, 30.2493,  
61.6977

■ 25.5174, 32.2475,  
62.0068

■ 27.4218, 34.5252,  
62.3461

■ 29.8358, 37.1125,  
62.7183

■ 32.8082, 40.0350,  
63.1257

■ 36.3816, 43.3153,  
63.5705

■ 40.5947, 46.9735,  
64.0546

■ 45.4826, 51.0284,  
64.5796

■ 51.0778, 55.4971,  
65.1473

# Harmonies

## Analogous

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



19.8998, 28.4736, 47.7537



22.9561, 28.4736, 61.4128



27.4667, 28.4736, 66.2974

# Triad

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



22.9561, 28.4736, 61.4128



37.5491, 28.4736, 29.8675



22.3388, 28.4736, 13.4207

# Complementary

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



22.9561, 28.4736, 61.4128



25.9208, 14.8745, 1.5063

# 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.



26.6639, 28.4736, 11.1742



22.9561, 28.4736, 61.4128



35.7677, 28.4736, 18.7140

# Square

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



22.9561, 28.4736, 61.4128



36.2533, 28.4736, 45.1471



31.6333, 28.4736, 12.7735



19.5746, 28.4736, 20.1724



# Rectangle

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



22.9561, 28.4736, 61.4128



30.8034, 28.4736, 63.0160



31.6333, 28.4736, 12.7735



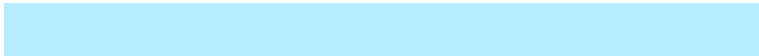
23.6389, 28.4736, 12.2237

# Sweetspot

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



22.9571, 28.4746, 61.4135



66.9168, 77.5278, 106.0452



22.0528, 43.3702, 9.6155



13.6607, 16.0259, 22.6233



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

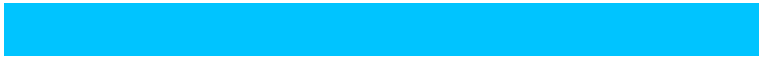


# Same Dimension

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



22.9571, 28.4746, 61.4135



37.8435, 46.8070, 101.6478



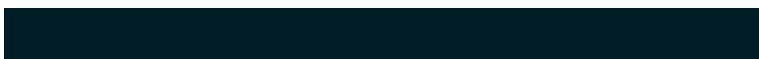
12.4046, 7.3696, 57.8960



11.3156, 12.2716, 14.3426



14.5212, 18.0663, 38.6781



0.8040, 1.0418, 2.0137



# Inverse Universe

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



30.9886, 15.2730, 33.2138



51.2308, 25.2563, 54.5410



35.2144, 33.4616, 4.6042



11.5726, 11.3578, 13.5502



19.5405, 9.6268, 21.0968



1.0358, 0.5077, 1.2342



# Previews

## White Background



This preview shows how the XYZ color 22.9561, 28.4736, 61.4128 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

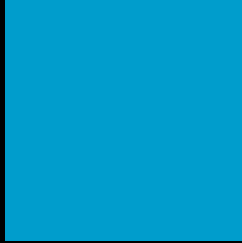
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 22.9561, 28.4736, 61.4128 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

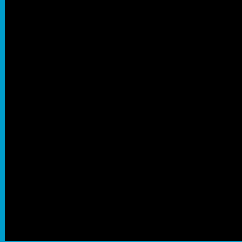
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 22.9561, 28.4736, 61.4128**

## **Background**



This preview shows how black text looks on a background with the XYZ color 22.9561, 28.4736, 61.4128.



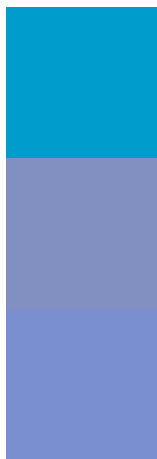
This preview shows how white text looks on a background with the XYZ color 22.9561, 28.4736,



# 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

22.9561, 28.4736, 61.4128

### Protanopia

28.6540, 28.2410, 54.3929

### Deuteranopia

28.9701, 28.2149, 62.9506



## Tritanopia

20.2877, 28.5069, 43.9683

# Trichromacy



## Original Color

22.9561, 28.4736, 61.4128



## Protanomaly

24.2352, 27.0500, 56.7672



## Deuteranomaly

24.7911, 27.2138, 62.3387



## Tritanomaly

21.2225, 28.6023, 49.7497

# Monochromacy



## Original Color

22.9561, 28.4736, 61.4128



## Achromatopsia

16.2955, 17.1441, 18.6699



## Achromatomaly

15.9967, 19.4883, 30.5223

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 22.9561, 28.4736, 61.4128 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, 157, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 204)  
}
```

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, 157, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 22.9561, 28.4736, 61.4128 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, 157, 204) }
```



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

```
.border{ border-color:rgb(0, 157, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 157, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 22.9561, 28.4736, 61.4128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 204) }
```

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

```
.background{ background-color: rgb(0, 157,  
204) }
```

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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