

Converting Colors

XYZ(23.2151, 28.9916, 61.4991)

Have a look what the booklet for
XYZ(23.2151, 28.9916, 61.4991)
contains.

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Color

**XYZ(23.2972, 29.1559,
61.5265)**

Conversions

Conversions Part 1

Format	Color
Hex	009FCC
RGB	0, 159, 204
RGB Percent	0%, 62%, 80%
CMY	0.9998, 0.3765, 0.2000
CMYK	1.00, 0.22, 0.00, 0.20
HSL	193°, 100%, 40%
HSV	193°, 100%, 80%
XYZ	23.2972, 29.1559, 61.5265
YIQ	116.5890, -109.2090, -19.7130

Conversions

Conversions Part 2

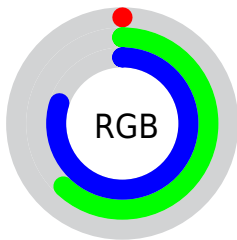
Format	Color
R _{YB}	0, 89, 204
Decimal	40908
CIE Lab	60.92, -18.63, -32.73
CIE LCh	61, 37.661, 240.346
Yxy	29.1559, 0.2044, 0.2558
Android (android.graphics.Color)	4278230988 (0xFF009FCC)
YUV	116.5890, 43.0936, -102.2486
Hunter-Lab	53.9962, -17.4778, -29.7612

Details

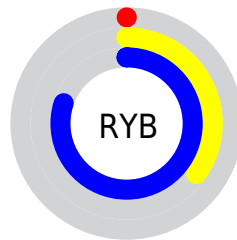
The XYZ color **23.2972, 29.1559, 61.5265** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **25.8424, 14.7177, 1.4800**, and the grayscale version is **16.6814, 17.5501, 19.1121**.

A 20% lighter version of the original color is **47.3521, 58.0225, 103.3115**, and **10.7627, 12.7174, 30.7416** is the 20% darker color. If you saturate the color by 10%, you get **23.2960, 29.1533, 61.5266**, and if you desaturate by 10%, it is **24.3835, 30.8864, 61.8039**.

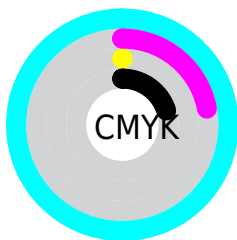
Distribution



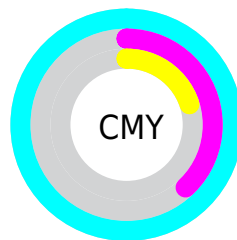
- Red (0%)
- Green (62%)
- Blue (80%)



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



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (20%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2972, 29.1559, 61.5265 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 23.2972, 29.1559, 61.5265 by changing the saturation by 10% instead.

■ 23.2972, 29.1559,
61.5265

■ 23.2972, 29.1559,
61.5265

261.7547,
297.9498, 448.1617

■ 14.9350, 19.1988,
44.2169

■ 48.3439, 58.3247,
108.6058

■ 8.8598, 11.8140,
30.5026

■ 65.7592, 78.3052,
139.2127

■ 4.7062, 6.6172,
19.9651

■ 86.9229, 102.3955,
175.0890

■ 2.1089, 3.2239,
12.1859

■ 112.2003,
130.9802, 216.6533

■ 0.6941, 1.2497,
6.7463

■ 141.9569,
164.4436, 264.3242

■ 0.0000, 0.1017,
3.2279

176.5579,

■ 0.0000, 0.0000,

203.1700, 318.5202

1.2122

216.3687,
247.5440, 379.6599

■ 0.0000, 0.0000,
0.0000

■ 23.2972, 29.1559,
61.5265

■ 23.2972, 29.1559,
61.5265

■ 23.2960, 29.1533,
61.5266

■ 24.3835, 30.8864,
61.8039

■ 25.8108, 32.8345,
62.1047

■ 27.6875, 35.0570,
62.4347

■ 30.0713, 37.5841,
62.7969

■ 33.0108, 40.4411,
63.1934

■ 36.5488, 43.6506,
63.6264

■ 40.7238, 47.2329,
64.0978

■ 45.5708, 51.2063,
64.6093

■ 51.1224, 55.5881,
65.1625

Harmonies

Analogous

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



20.3350, 29.1559, 47.4639



23.2972, 29.1559, 61.5265



27.7689, 29.1559, 67.1978

Triad

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



23.2972, 29.1559, 61.5265



38.2684, 29.1559, 31.5828



23.2093, 29.1559, 13.6585

Complementary

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



23.2972, 29.1559, 61.5265



25.8424, 14.7177, 1.4800

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.



27.6548, 29.1559, 11.6540



23.2972, 29.1559, 61.5265



36.6864, 29.1559, 19.9485

Square

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



23.2972, 29.1559, 61.5265



36.7552, 29.1559, 47.0950



32.6516, 29.1559, 13.5657



20.2886, 29.1559, 20.1568

Rectangle

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



23.2972, 29.1559, 61.5265



31.1266, 29.1559, 64.4550



32.6516, 29.1559, 13.5657



24.5564, 29.1559, 12.5404

Sweetspot

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



23.2982, 29.1569, 61.5272



67.1350, 77.9642, 106.1180



22.0527, 43.3701, 9.6151



13.7133, 16.1310, 22.6408



0.0000, 0.0000, 0.0000



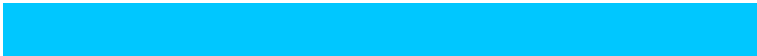
20.3446, 21.4041, 23.3091

Same Dimension

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



23.2982, 29.1569, 61.5272



38.4135, 47.9470, 101.8378



12.4044, 7.3692, 57.8959



11.3251, 12.2907, 14.3458



14.7341, 18.4921, 38.7490



0.8134, 1.0606, 2.0168

Inverse Universe

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



31.1608, 15.3417, 34.1207



51.5185, 25.3714, 56.0561



35.2141, 33.4612, 4.6039



11.5775, 11.3597, 13.5756



19.6480, 9.6698, 21.6627



1.0405, 0.5096, 1.2592

Previews

White Background



This preview shows how the XYZ color 23.2972, 29.1559, 61.5265 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 23.2972, 29.1559, 61.5265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

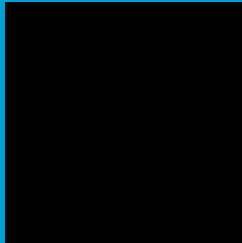
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2972, 29.1559, 61.5265

Background



This preview shows how black text looks on a background with the XYZ color 23.2972, 29.1559, 61.5265.

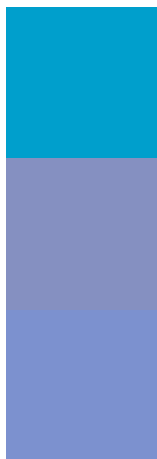


This preview shows how white text looks on a background with the XYZ color 23.2972, 29.1559,

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

23.2972, 29.1559, 61.5265

Protanopia

29.2718, 28.7833, 54.4650

Deuteranopia

29.7001, 29.0409, 63.0716



Tritanopia

20.8351, 29.2895, 45.1128

Trichromacy



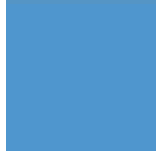
Original Color

23.2972, 29.1559, 61.5265



Protanomaly

24.5718, 27.4574, 56.8281



Deuteranomaly

25.2714, 27.9312, 62.4518



Tritanomaly

21.7833, 29.3858, 50.9783

Monochromacy



Original Color

23.2972, 29.1559, 61.5265



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

16.5001, 20.1283, 31.4493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2972, 29.1559, 61.5265 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 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, 159, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 204) }
```

Border

The CSS property to change the border of an element to XYZ 23.2972, 29.1559, 61.5265 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, 204) }
```


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

```
.border{ border-color:rgb(0, 159, 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, 159, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2972, 29.1559, 61.5265 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, 204) }
```

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

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