

Converting Colors

XYZ(23.5336, 28.2543, 65.8421)

Have a look what the booklet for
XYZ(23.5336, 28.2543, 65.8421)
contains.

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Color

**XYZ(23.4792, 28.1458,
65.8232)**

Conversions

Conversions Part 1

Format	Color
Hex	009BD3
RGB	0, 155, 211
RGB Percent	0%, 61%, 83%
CMY	0.9998, 0.3922, 0.1725
CMYK	1.00, 0.27, 0.00, 0.17
HSL	196°, 100%, 41%
HSV	196°, 100%, 83%
XYZ	23.4792, 28.1458, 65.8232
YIQ	115.0390, -110.3560, -15.4440

Conversions

Conversions Part 2

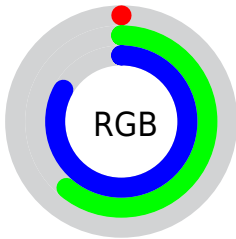
Format	Color
RYB	0, 89, 211
Decimal	39891
CIELab	60.02, -13.95, -38.04
CIELCh	60, 40.517, 249.866
Yxy	28.1458, 0.1999, 0.2396
Android (android.graphics.Color)	4278229971 (0xFF009BD3)
YUV	115.0390, 47.3088, -100.8892
Hunter-Lab	53.0526, -13.8443, -36.4252

Details

The XYZ color **23.4792, 28.1458, 65.8232** 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 **28.2811, 16.6823, 1.7309**, and the grayscale version is **16.1975, 17.0410, 18.5577**.

A 20% lighter version of the original color is **46.3300, 55.6457, 102.9066**, and **10.9511, 12.3009, 33.2496** is the 20% darker color. If you saturate the color by 10%, you get **23.4774, 28.1420, 65.8231**, and if you desaturate by 10%, it is **24.7460, 30.2154, 66.1565**.

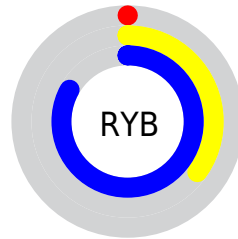
Distribution



Red (0%)

Green (61%)

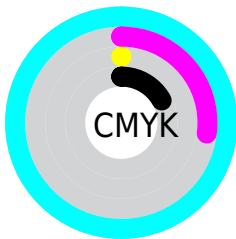
Blue (83%)



Red (0%)

Yellow (35%)

Blue (83%)

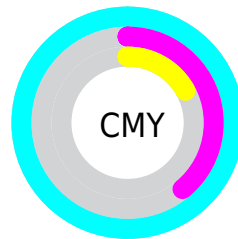


Cyan (100%)

Magenta (27%)

Yellow (0%)

Black (17%)



Cyan (100%)

Magenta (39%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4792, 28.1458, 65.8232 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 23.4792, 28.1458, 65.8232 by changing the saturation by 10% instead.

■ 23.4792, 28.1458,
65.8232

■ 23.4792, 28.1458,
65.8232

262.6664,
293.1629, 464.1313

■ 15.0704, 18.4356,
47.6733

■ 48.6399, 56.7171,
114.8571

■ 8.9554, 11.2632,
33.2101

■ 66.1224, 76.3471,
146.5782

■ 4.7690, 6.2441,
22.0150

■ 87.3603, 100.0523,
183.6602

■ 2.1457, 2.9941,
13.6695

■ 112.7188,
128.2174, 226.5215

■ 0.7139, 1.1287,
7.7550

■ 142.5633,
161.2266, 275.5807

■ 0.0000, 0.0022,
3.8531

177.2592,

■ 0.0000, 0.0000,

199.4643, 331.2564

1.5451

217.1718,
243.3149, 393.9671

■ 0.0000, 0.0000,
0.2512

■ 0.0000, 0.0000,
0.0000

■ 23.4792, 28.1458,
65.8232

■ 23.4792, 28.1458,
65.8232

■ 23.4774, 28.1420,
65.8231

■ 24.7460, 30.2154,
66.1565

■ 26.3965, 32.5474,
66.5196

■ 28.5458, 35.2026,
66.9188

■ 31.2572, 38.2140,
67.3572

■ 34.5837, 41.6101,
67.8374

■ 38.5721, 45.4157,
68.3617

■ 43.2644, 49.6532,
68.9323

■ 48.6989, 54.3431,
69.5512

■ 54.9112, 59.5045,
70.2200

Harmonies

Analogous

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



19.8350, 28.1458, 52.7113



23.4792, 28.1458, 65.8232



28.4883, 28.1458, 68.0392

Triad

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



23.4792, 28.1458, 65.8232



37.7679, 28.1458, 26.0297



20.8817, 28.1458, 13.5985

Complementary

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



23.4792, 28.1458, 65.8232



28.2811, 16.6823, 1.7309

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.



25.0872, 28.1458, 10.3078



23.4792, 28.1458, 65.8232



35.1143, 28.1458, 15.8000

Square

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



23.4792, 28.1458, 65.8232



37.1924, 28.1458, 41.5066



30.3151, 28.1458, 10.9577



18.4744, 28.1458, 21.8672

Rectangle

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



23.4792, 28.1458, 65.8232



32.0039, 28.1458, 62.4891



30.3151, 28.1458, 10.9577



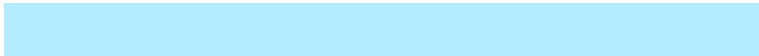
22.1081, 28.1458, 12.0166

Sweetspot

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



23.4802, 28.1467, 65.8239



66.1453, 75.9848, 105.7880



23.9328, 46.8444, 11.1231



13.4752, 15.6548, 22.5614



0.0000, 0.0000, 0.0000



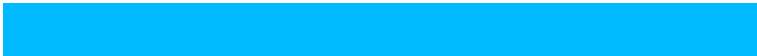
20.3446, 21.4041, 23.3091

Same Dimension

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



23.4802, 28.1467, 65.8239



35.8856, 42.8912, 100.9952



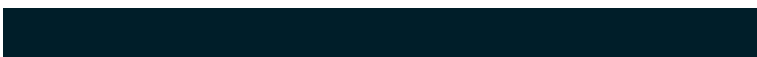
13.0221, 7.2304, 62.3379



11.8818, 12.8539, 15.0985



14.2563, 17.1593, 39.7532



0.8602, 1.0857, 2.2438

Inverse Universe

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



32.7813, 16.2167, 32.4134



50.2426, 24.8610, 49.3370



39.1363, 38.3927, 5.3493



12.1712, 11.9532, 14.1776



19.8267, 9.8035, 19.7912



1.1404, 0.5609, 1.2744

Previews

White Background



This preview shows how the XYZ color 23.4792, 28.1458, 65.8232 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 23.4792, 28.1458, 65.8232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

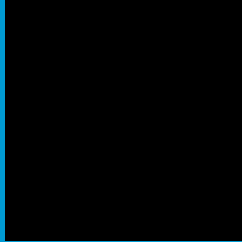
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.4792, 28.1458, 65.8232

Background



This preview shows how black text looks on a background with the XYZ color 23.4792, 28.1458, 65.8232.

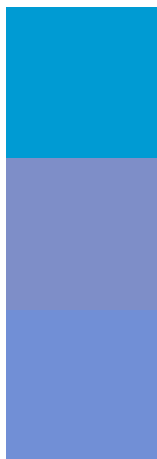


This preview shows how white text looks on a background with the XYZ color 23.4792, 28.1458,

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

23.4792, 28.1458, 65.8232

Protanopia

28.7025, 27.9518, 58.5260

Deuteranopia

28.7701, 28.0107, 67.5086



Tritanopia

20.0172, 28.1202, 43.4024

Trichromacy



Original Color

23.4792, 28.1458, 65.8232

Protanomaly

24.6411, 26.9325, 61.0265

Deuteranomaly

25.1164, 27.0493, 66.8480

Tritanomaly

21.0898, 27.9989, 50.7472

Monochromacy



Original Color

23.4792, 28.1458, 65.8232

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.2353, 19.5837, 31.7785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4792, 28.1458, 65.8232 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, 155, 211)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 211)  
}
```

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, 155, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 211) }
```

Border

The CSS property to change the border of an element to XYZ 23.4792, 28.1458, 65.8232 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, 155, 211) }
```


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

```
.border{ border-color:rgb(0, 155, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 155, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 211);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4792, 28.1458, 65.8232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 211) }
```

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

```
.background{ background-color: rgb(0, 155,  
211) }
```

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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