

Converting Colors

XYZ(23.9776, 28.3349, 67.9578)

Have a look what the booklet for
XYZ(23.9776, 28.3349, 67.9578)
contains.

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Color

**XYZ(23.9716, 28.3558,
67.8281)**

Conversions

Conversions Part 1

Format	Color
Hex	099BD6
RGB	9, 155, 214
RGB Percent	4%, 61%, 84%
CMY	0.9645, 0.3922, 0.1608
CMYK	0.96, 0.28, 0.00, 0.16
HSL	197°, 92%, 44%
HSV	197°, 96%, 84%
XYZ	23.9716, 28.3558, 67.8281
YIQ	118.0720, -105.9550, -12.6030

Conversions

Conversions Part 2

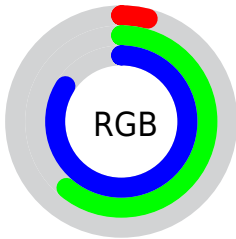
Format	Color
RYB	9, 94, 214
Decimal	629718
CIELab	60.21, -12.58, -39.42
CIELCh	60, 41.375, 252.297
Yxy	28.3558, 0.1995, 0.2360
Android (android.graphics.Color)	4278819798 (0xFF099BD6)
YUV	118.0720, 47.2925, -95.6561
Hunter-Lab	53.2502, -12.8325, -38.2463

Details

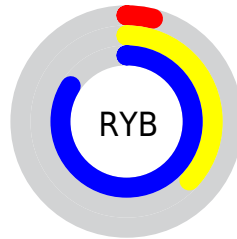
The XYZ color **23.9716, 28.3558, 67.8281** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **29.8516, 18.4565, 2.2490**, and the grayscale version is **17.1280, 18.0199, 19.6237**.

A 20% lighter version of the original color is **46.5594, 55.7640, 102.9173**, and **11.2083, 12.4038, 34.6043** is the 20% darker color. If you saturate the color by 10%, you get **23.4303, 27.4403, 67.6805**, and if you desaturate by 10%, it is **25.4596, 30.6844, 68.1997**.

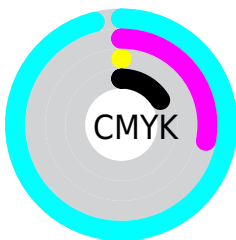
Distribution



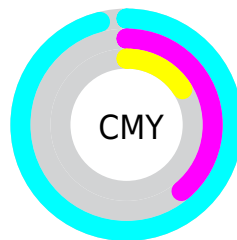
- Red (4%)
- Green (61%)
- Blue (84%)



- Red (4%)
- Yellow (37%)
- Blue (84%)



- Cyan (96%)
- Magenta (28%)
- Yellow (0%)
- Black (16%)



- Cyan (96%)
- Magenta (39%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9716, 28.3558, 67.8281 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 23.9716, 28.3558, 67.8281 by changing the saturation by 10% instead.

■ 23.9716, 28.3558,
67.8281

■ 23.9716, 28.3558,
67.8281

265.1200,
294.1632, 471.4682

■ 15.4372, 18.5940,
49.2921

■ 49.4389, 57.0520,
117.7581

■ 9.2151, 11.3773,
34.4840

■ 67.1024, 76.7552,
149.9891

■ 4.9400, 6.3212,
22.9853

■ 88.5397, 100.5410,
187.6223

■ 2.2465, 3.0414,
14.3775

■ 114.1161,
128.7939, 231.0760

■ 0.7671, 1.1534,
8.2419

■ 144.1970,
161.8981, 280.7690

■ 0.0000, 0.0231,
4.1601

179.1477,

■ 0.0000, 0.0000,

200.2382, 337.1196

1.7136

219.3336,
244.1984, 400.5465

■ 0.0000, 0.0000,
0.3700

■ 0.0000, 0.0000,
0.0000

■ 23.9716, 28.3558,
67.8281

■ 23.9716, 28.3558,
67.8281

■ 23.4303, 27.4403,
67.6805

■ 25.4596, 30.6844,
68.1997

■ 27.4242, 33.3370,
68.6082

■ 29.9409, 36.3542,
69.0579

■ 33.0704, 39.7682,
69.5520

■ 36.8648, 43.6070,
70.0929

■ 41.3704, 47.8955,
70.6832

■ 46.6292, 52.6563,
71.3250

■ 52.6797, 57.9103,
72.0202

■ 59.5578, 63.6770,
72.7708

Harmonies

Analogous

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



20.0985, 28.3558, 54.9559



23.9716, 28.3558, 67.8281



29.1790, 28.3558, 69.0386

Triad

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



23.9716, 28.3558, 67.8281



38.1765, 28.3558, 25.0702



20.6623, 28.3558, 13.9359

Complementary

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



23.9716, 28.3558, 67.8281



29.8516, 18.4565, 2.2490

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.



24.8401, 28.3558, 10.2459



23.9716, 28.3558, 67.8281



35.2078, 28.3558, 15.1122

Square

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



23.9716, 28.3558, 67.8281



37.8638, 28.3558, 40.6201



30.1683, 28.3558, 10.5910



18.3671, 28.3558, 22.8277

Rectangle

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



23.9716, 28.3558, 67.8281



32.7671, 28.3558, 62.6732



30.1683, 28.3558, 10.5910



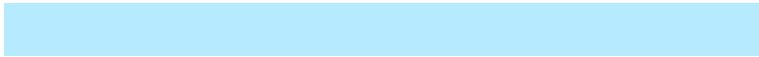
21.8679, 28.3558, 12.2006

Sweetspot

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



23.9726, 28.3567, 67.8288



66.4586, 75.7315, 105.7226



25.1768, 48.5587, 13.3750



13.5110, 15.5613, 22.5415



0.0000, 0.0000, 0.0000



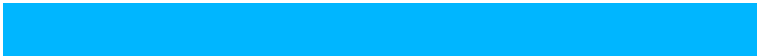
20.3446, 21.4041, 23.3091

Same Dimension

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



23.9726, 28.3567, 67.8288



34.6946, 40.5093, 100.5982



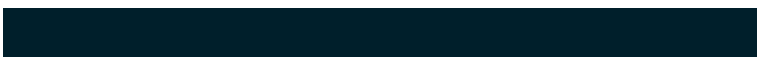
13.5451, 7.5016, 64.3530



12.4761, 13.4757, 15.8810



14.2551, 16.7720, 40.9392



0.9291, 1.1502, 2.4924

Inverse Universe

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



33.7466, 16.8594, 32.4866



49.6414, 24.6206, 46.1714



42.0804, 42.9140, 6.3253



12.7935, 12.5689, 14.8530



20.2542, 10.0380, 19.1744



1.2566, 0.6194, 1.3407

Previews

White Background



This preview shows how the XYZ color 23.9716, 28.3558, 67.8281 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 23.9716, 28.3558, 67.8281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

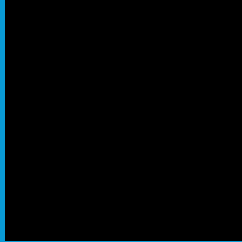
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9716, 28.3558, 67.8281

Background



This preview shows how black text looks on a background with the XYZ color 23.9716, 28.3558, 67.8281.

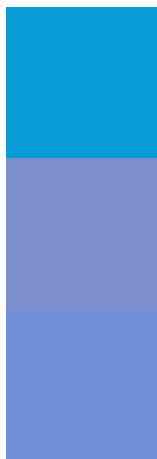


This preview shows how white text looks on a background with the XYZ color 23.9716, 28.3558,

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

23.9716, 28.3558, 67.8281

Protanopia

29.0295, 28.0656, 61.0139

Deuteranopia

29.0532, 28.3358, 69.5837



Tritanopia

20.0172, 28.1202, 43.4024

Trichromacy



Original Color

23.9716, 28.3558, 67.8281

Protanomaly

25.3862, 27.2605, 63.5983

Deuteranomaly

25.8086, 27.5935, 68.9316

Tritanomaly

21.2341, 28.0609, 51.3109

Monochromacy



Original Color

23.9716, 28.3558, 67.8281

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.0080, 20.1522, 33.1303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9716, 28.3558, 67.8281 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(9, 155, 214)` looks like.

```
.text, #text, p{  
    color:rgb(9, 155, 214)  
}
```

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(9, 155, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 155, 214) }
```

Border

The CSS property to change the border of an element to XYZ 23.9716, 28.3558, 67.8281 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(9, 155, 214) }
```


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

```
.border{ border-color:rgb(9, 155, 214) }
```

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

Here you see how a box with a 4 pixel rgb(9, 155, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 155, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 155, 214);  
box-shadow:4px 4px 4px 4px rgb(9, 155,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9716, 28.3558, 67.8281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 155, 214) }
```

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

```
.background{ background-color: rgb(9, 155,  
214) }
```

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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