

Converting Colors

XYZ(23.8464, 27.7112, 69.5499)

Have a look what the booklet for
XYZ(23.8464, 27.7112, 69.5499)
contains.

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Color

**XYZ(23.9156, 27.7922,
69.7496)**

Conversions

Conversions Part 1

Format	Color
Hex	0099D9
RGB	0, 153, 217
RGB Percent	0%, 60%, 85%
CMY	0.9998, 0.4000, 0.1490
CMYK	1.00, 0.29, 0.00, 0.15
HSL	198°, 100%, 43%
HSV	198°, 100%, 85%
XYZ	23.9156, 27.7922, 69.7496
YIQ	114.5490, -111.7320, -12.5320

Conversions

Conversions Part 2

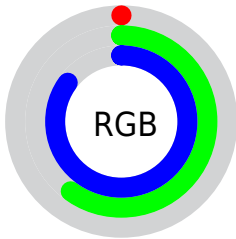
Format	Color
RYB	0, 90, 217
Decimal	39385
CIELab	59.70, -10.64, -41.89
CIELCh	60, 43.219, 255.752
Yxy	27.7922, 0.1969, 0.2288
Android (android.graphics.Color)	4278229465 (0xFF0099D9)
YUV	114.5490, 50.5083, -100.4595
Hunter-Lab	52.7183, -11.2807, -41.5415

Details

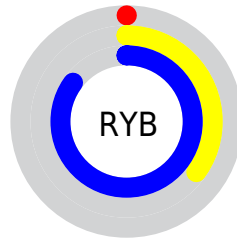
The XYZ color **23.9156, 27.7922, 69.7496** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **30.4521, 18.4245, 1.9528**, and the grayscale version is **16.0410, 16.8764, 18.3784**.

A 20% lighter version of the original color is **45.9563, 54.7292, 102.7494**, and **11.2730, 12.1114, 35.9260** is the 20% darker color. If you saturate the color by 10%, you get **23.9135, 27.7878, 69.7494**, and if you desaturate by 10%, it is **25.3175, 30.1127, 70.1242**.

Distribution



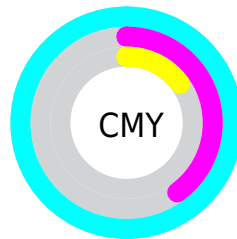
- Red (0%)
- Green (60%)
- Blue (85%)



- Red (0%)
- Yellow (35%)
- Blue (85%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (40%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9156, 27.7922, 69.7496 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 23.9156, 27.7922, 69.7496 by changing the saturation by 10% instead.

■ 23.9156, 27.7922,
69.7496

■ 23.9156, 27.7922,
69.7496

264.8419,
291.4726, 478.4357

■ 15.3954, 18.1691,
50.8469

■ 49.3481, 56.1525,
120.5294

■ 9.1855, 11.0714,
35.7109

■ 66.9912, 75.6585,
153.2435

■ 4.9204, 6.1149,
23.9231

■ 88.4059, 99.2275,
191.3985

■ 2.2349, 2.9151,
15.0649

■ 113.9576,
127.2440, 235.4129

■ 0.7611, 1.0876,
8.7178

■ 144.0117,
160.0924, 285.7053

■ 0.0000, 0.0000,
4.4633

178.9336,

■ 0.0000, 0.0000,

198.1570, 342.6942

1.8828

219.0885,
241.8223, 406.7981

■ 0.0000, 0.0000,
0.4818

■ 0.0000, 0.0000,
0.0000

■ 23.9156, 27.7922,
69.7496

■ 23.9156, 27.7922,
69.7496

■ 23.9135, 27.7878,
69.7494

■ 25.3175, 30.1127,
70.1242

■ 27.1405, 32.7346,
70.5342

■ 29.5063, 35.7223,
70.9862

■ 32.4827, 39.1120,
71.4836

■ 36.1270, 42.9343,
72.0293

■ 40.4896, 47.2164,
72.6259

■ 45.6156, 51.9828,
73.2757

■ 51.5463, 57.2558,
73.9809

■ 58.3201, 63.0562,
74.7435

Harmonies

Analogous

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



19.7476, 27.7922, 57.3066



23.9156, 27.7922, 69.7496



29.3690, 27.7922, 69.3937

Triad

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



23.9156, 27.7922, 69.7496



37.8606, 27.7922, 22.8116



19.5875, 27.7922, 13.7585

Complementary

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



23.9156, 27.7922, 69.7496



30.4521, 18.4245, 1.9528

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.



23.6673, 27.7922, 9.5697



23.9156, 27.7922, 69.7496



34.4375, 27.7922, 13.4311

Square

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



23.9156, 27.7922, 69.7496



37.9514, 27.7922, 38.2788



29.0841, 27.7922, 9.4752



17.4921, 27.7922, 23.4490

Rectangle

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



23.9156, 27.7922, 69.7496



33.0355, 27.7922, 61.8007



29.0841, 27.7922, 9.4752



20.7451, 27.7922, 11.8335

Sweetspot

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



23.9166, 27.7931, 69.7503



65.5036, 74.7014, 105.5741



25.6701, 49.9691, 12.7808



13.3212, 15.3469, 22.5101



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.



23.9166, 27.7931, 69.7503



34.3260, 39.7720, 100.4753



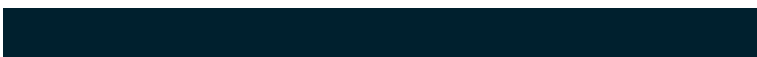
13.5440, 7.0478, 66.2928



13.1036, 14.1470, 16.6921



14.5716, 17.0126, 42.2542



1.0174, 1.2490, 2.7619

Inverse Universe

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



34.3660, 17.0529, 31.6179



49.4554, 24.5462, 45.1916



42.9897, 43.4996, 6.1320



13.4422, 13.2060, 15.5897



20.8504, 10.3412, 19.3900



1.3878, 0.6848, 1.4513

Previews

White Background



This preview shows how the XYZ color 23.9156, 27.7922, 69.7496 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 23.9156, 27.7922, 69.7496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

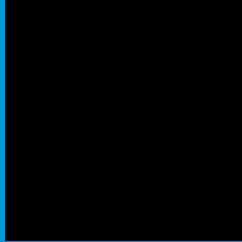
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9156, 27.7922, 69.7496

Background



This preview shows how black text looks on a background with the XYZ color 23.9156, 27.7922, 69.7496.

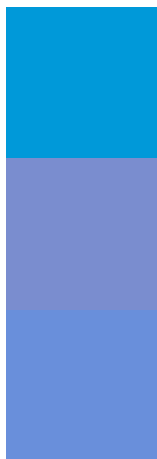


This preview shows how white text looks on a background with the XYZ color 23.9156, 27.7922,

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

23.9156, 27.7922, 69.7496

Protanopia

28.8134, 27.6923, 62.8580

Deuteranopia

28.4343, 27.7627, 70.8779



Tritanopia

19.7488, 27.7365, 42.8409

Trichromacy



Original Color

23.9156, 27.7922, 69.7496

Protanomaly

25.0252, 26.5736, 65.4383

Deuteranomaly

25.4033, 27.1227, 70.2260

Tritanomaly

21.1341, 27.7448, 51.8183

Monochromacy



Original Color

23.9156, 27.7922, 69.7496

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.2654, 19.3840, 32.5900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9156, 27.7922, 69.7496 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, 153, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 217)  
}
```

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, 153, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 217) }
```

Border

The CSS property to change the border of an element to XYZ 23.9156, 27.7922, 69.7496 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, 153, 217) }
```


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

```
.border{ border-color:rgb(0, 153, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9156, 27.7922, 69.7496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 217) }
```

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

```
.background{ background-color: rgb(0, 153,  
217) }
```

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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