

Converting Colors

XYZ(23.6457, 27.8304, 67.8779)

Have a look what the booklet for
XYZ(23.6457, 27.8304, 67.8779)
contains.

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Color

**XYZ(23.6932, 27.9662,
67.7676)**

Conversions

Conversions Part 1

Format	Color
Hex	009AD6
RGB	0, 154, 214
RGB Percent	0%, 60%, 84%
CMY	0.9998, 0.3961, 0.1608
CMYK	1.00, 0.28, 0.00, 0.16
HSL	197°, 100%, 42%
HSV	197°, 100%, 84%
XYZ	23.6932, 27.9662, 67.7676
YIQ	114.7940, -111.0440, -13.9880

Conversions

Conversions Part 2

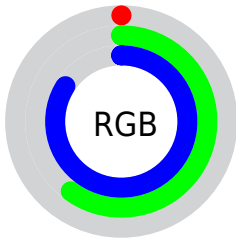
Format	Color
R_{YB}	0, 90, 214
Decimal	39638
CIE _{Lab}	59.86, -12.30, -39.97
CIE _{LCh}	60, 41.818, 252.898
Yxy	27.9662, 0.1984, 0.2342
Android (android.graphics.Color)	4278229718 (0xFF009AD6)
YUV	114.7940, 48.9086, -100.6743
Hunter-Lab	52.8831, -12.5721, -38.9597

Details

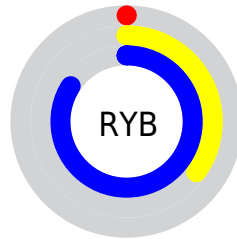
The XYZ color **23.6932, 27.9662, 67.7676** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **29.3507, 17.5336, 1.8389**, and the grayscale version is **16.1193, 16.9588, 18.4681**.

A 20% lighter version of the original color is **46.0854, 55.1565, 102.8251**, and **11.1083, 12.2037, 34.5710** is the 20% darker color. If you saturate the color by 10%, you get **23.6911, 27.9619, 67.7675**, and if you desaturate by 10%, it is **25.0280, 30.1621, 68.1217**.

Distribution



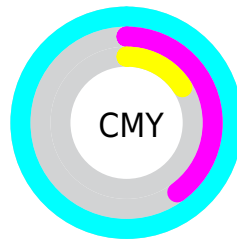
- Red (0%)
- Green (60%)
- Blue (84%)



- Red (0%)
- Yellow (35%)
- Blue (84%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (40%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6932, 27.9662, 67.7676 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 23.6932, 27.9662, 67.7676 by changing the saturation by 10% instead.

■ 23.6932, 27.9662,
67.7676

■ 23.6932, 27.9662,
67.7676

263.7351,
292.3054, 471.2479

■ 15.2297, 18.3002,
49.2432

■ 48.9874, 56.4305,
117.6707

■ 9.0681, 11.1657,
34.4455

■ 66.5488, 75.9975,
149.8864

■ 4.8431, 6.1784,
22.9559

■ 87.8736, 99.6337,
187.5030

■ 2.1893, 2.9539,
14.3560

■ 113.3271,
127.7234, 230.9390

■ 0.7371, 1.1077,
8.2271

■ 143.2746,
160.6510, 280.6130

■ 0.0000, 0.0000,
4.1507

178.0815,

■ 0.0000, 0.0000,

198.8010, 336.9434

1.7084

218.1132,
242.5576, 400.3489

■ 0.0000, 0.0000,
0.3665

■ 0.0000, 0.0000,
0.0000

■ 23.6932, 27.9662,
67.7676

■ 23.6932, 27.9662,
67.7676

■ 23.6911, 27.9619,
67.7675

■ 25.0280, 30.1621,
68.1217

■ 26.7649, 32.6395,
68.5083

■ 29.0222, 35.4608,
68.9339

■ 31.8655, 38.6608,
69.4017

■ 35.3499, 42.2688,
69.9145

■ 39.5239, 46.3108,
70.4747

■ 44.4310, 50.8103,
71.0845

■ 50.1113, 55.7887,
71.7461

■ 56.6013, 61.2659,
72.4612

Harmonies

Analogous

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



19.7879, 27.9662, 54.9734



23.6932, 27.9662, 67.7676



28.9231, 27.9662, 68.7174

Triad

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



23.6932, 27.9662, 67.7676



37.8133, 27.9662, 24.3850



20.2257, 27.9662, 13.6738

Complementary

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



23.6932, 27.9662, 67.7676



29.3507, 17.5336, 1.8389

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.



24.3689, 27.9662, 9.9308



23.6932, 27.9662, 67.7676



34.7742, 27.9662, 14.5818

Square

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



23.6932, 27.9662, 67.7676



37.5689, 27.9662, 39.8730



29.6945, 27.9662, 10.1959



17.9763, 27.9662, 22.6432

Rectangle

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



23.6932, 27.9662, 67.7676



32.5141, 27.9662, 62.1481



29.6945, 27.9662, 10.1959



21.4176, 27.9662, 11.9207

Sweetspot

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



23.6942, 27.9671, 67.7683



65.8189, 75.3319, 105.6792



24.7886, 48.3904, 11.9186



13.3968, 15.4981, 22.5353



0.0000, 0.0000, 0.0000



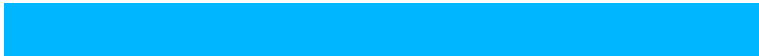
20.3446, 21.4041, 23.3091

Same Dimension

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



23.6942, 27.9671, 67.7683



35.0843, 41.2886, 100.7281



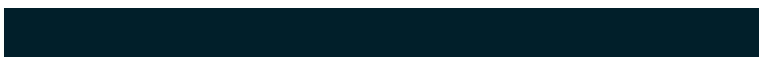
13.2779, 7.1344, 64.2962



12.4842, 13.4917, 15.8837



14.4115, 17.0848, 40.9913



0.9375, 1.1671, 2.4952

Inverse Universe

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



33.5653, 16.6306, 32.0134



49.8381, 24.6993, 47.2071



41.0219, 40.8759, 5.7293



12.7976, 12.5705, 14.8743



20.3331, 10.0696, 19.5901



1.2609, 0.6211, 1.3631

Previews

White Background



This preview shows how the XYZ color 23.6932, 27.9662, 67.7676 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 23.6932, 27.9662, 67.7676 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

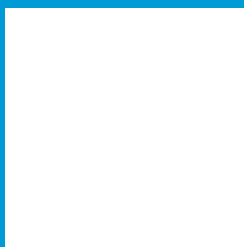
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6932, 27.9662, 67.7676

Background



This preview shows how black text looks on a background with the XYZ color 23.6932, 27.9662, 67.7676.

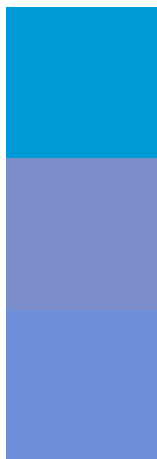


This preview shows how white text looks on a background with the XYZ color 23.6932, 27.9662,

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

23.6932, 27.9662, 67.7676

Protanopia

28.7361, 27.6945, 60.9578

Deuteranopia

28.6535, 27.9059, 69.5218



Tritanopia

19.9215, 28.0819, 42.8985

Trichromacy



Original Color

23.6932, 27.9662, 67.7676



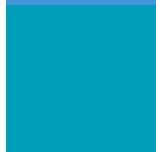
Protanomaly

24.8885, 26.7741, 63.5307



Deuteranomaly

25.2826, 27.0905, 68.8622



Tritanomaly

21.1965, 28.0416, 51.3091

Monochromacy



Original Color

23.6932, 27.9662, 67.7676



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

16.1838, 19.3513, 32.1604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6932, 27.9662, 67.7676 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, 154, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 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(0, 154, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 214) }
```

Border

The CSS property to change the border of an element to XYZ 23.6932, 27.9662, 67.7676 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, 154, 214) }
```


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

```
.border{ border-color:rgb(0, 154, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 154, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6932, 27.9662, 67.7676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 214) }
```

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

```
.background{ background-color: rgb(0, 154,  
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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