

Converting Colors

XYZ(23.2345, 27.7611, 65.4187)

Have a look what the booklet for
XYZ(23.2345, 27.7611, 65.4187)
contains.

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Color

**XYZ(23.1885, 27.7643,
65.1097)**

Conversions

Conversions Part 1

Format	Color
Hex	009AD2
RGB	0, 154, 210
RGB Percent	0%, 60%, 82%
CMY	0.9998, 0.3961, 0.1765
CMYK	1.00, 0.27, 0.00, 0.18
HSL	196°, 100%, 41%
HSV	196°, 100%, 82%
XYZ	23.1885, 27.7643, 65.1097
YIQ	114.3380, -109.7600, -15.2320

Conversions

Conversions Part 2

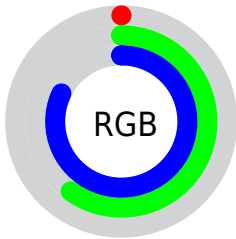
Format	Color
RYB	0, 89, 210
Decimal	39634
CIELab	59.68, -13.76, -38.02
CIELCh	60, 40.435, 250.106
Yxy	27.7643, 0.1998, 0.2392
Android (android.graphics.Color)	4278229714 (0xFF009AD2)
YUV	114.3380, 47.1614, -100.2744
Hunter-Lab	52.6918, -13.6569, -36.3786

Details

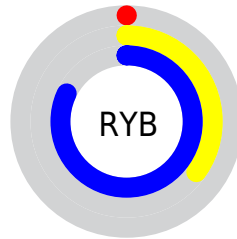
The XYZ color **23.1885, 27.7643, 65.1097** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **27.9957, 16.5356, 1.7177**, and the grayscale version is **15.9873, 16.8198, 18.3168**.

A 20% lighter version of the original color is **45.9727, 55.0985, 102.8198**, and **10.7666, 12.0671, 32.7721** is the 20% darker color. If you saturate the color by 10%, you get **23.1864, 27.7600, 65.1096**, and if you desaturate by 10%, it is **24.4455, 29.8174, 65.4403**.

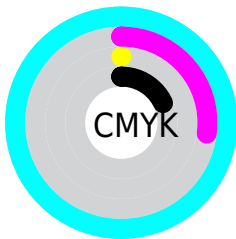
Distribution



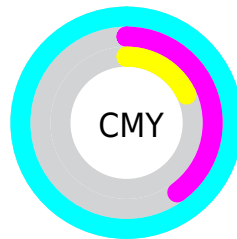
- Red (0%)
- Green (60%)
- Blue (82%)



- Red (0%)
- Yellow (35%)
- Blue (82%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (40%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1885, 27.7643, 65.1097 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 23.1885, 27.7643, 65.1097 by changing the saturation by 10% instead.

■ 23.1885, 27.7643,
65.1097

■ 23.1885, 27.7643,
65.1097

261.2090,
291.3389, 461.5031

■ 14.8542, 18.1481,
47.0981

■ 48.1670, 56.1079,
113.8223

■ 8.8028, 11.0563,
32.7583

■ 65.5420, 75.6041,
145.3605

■ 4.6688, 6.1047,
21.6718

■ 86.6612, 99.1623,
182.2446

■ 2.0870, 2.9089,
13.4199

■ 111.8901,
127.1671, 224.8932

■ 0.6822, 1.0843,
7.5842

■ 141.5940,
160.0027, 273.7248

■ 0.0000, 0.0000,
3.7461

176.1382,

■ 0.0000, 0.0000,

198.0537, 329.1579

1.4871

215.8880,
241.7043, 391.6112

■ 0.0000, 0.0000,
0.2083

■ 0.0000, 0.0000,
0.0000

■ 23.1885, 27.7643,
65.1097

■ 23.1885, 27.7643,
65.1097

■ 23.1864, 27.7600,
65.1096

■ 24.4455, 29.8174,
65.4403

■ 26.0821, 32.1306,
65.8006

■ 28.2127, 34.7643,
66.1966

■ 30.8994, 37.7511,
66.6315

■ 34.1949, 41.1192,
67.1079

■ 38.1454, 44.8931,
67.6282

■ 42.7924, 49.0949,
68.1943

■ 48.1737, 53.7449,
68.8082

■ 54.3246, 58.8621,
69.4717

Harmonies

Analogous

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



19.5721, 27.7643, 52.1922



23.1885, 27.7643, 65.1097



28.1489, 27.7643, 67.2018

Triad

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



23.1885, 27.7643, 65.1097



37.2779, 27.7643, 25.5622



20.5584, 27.7643, 13.4263

Complementary

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



23.1885, 27.7643, 65.1097



27.9957, 16.5356, 1.7177

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.



24.7043, 27.7643, 10.1440



23.1885, 27.7643, 65.1097



34.6296, 27.7643, 15.4987

Square

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



23.1885, 27.7643, 65.1097



36.7349, 27.7643, 40.8388



29.8715, 27.7643, 10.7552



18.1948, 27.7643, 21.6396

Rectangle

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



23.1885, 27.7643, 65.1097



31.6242, 27.7643, 61.6469



29.8715, 27.7643, 10.7552



21.7662, 27.7643, 11.8521

Sweetspot

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



23.1895, 27.7652, 65.1104



66.1175, 75.9292, 105.7788



23.7623, 46.3799, 11.4464



13.4685, 15.6415, 22.5592



0.0000, 0.0000, 0.0000



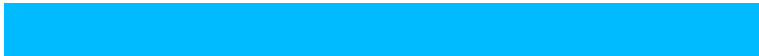
20.3446, 21.4041, 23.3091

Same Dimension

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



23.1895, 27.7652, 65.1104



35.8167, 42.7534, 100.9722



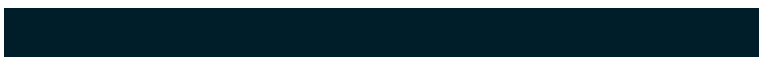
12.7338, 6.8537, 61.6252



11.8805, 12.8513, 15.0980



14.2297, 17.1059, 39.7443



0.8589, 1.0831, 2.2433

Inverse Universe

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



32.4121, 16.0361, 31.9595



50.2078, 24.8471, 49.1539



39.3262, 39.1964, 5.4945



12.1706, 11.9530, 14.1741



19.8132, 9.7981, 19.7203



1.1398, 0.5606, 1.2709

Previews

White Background



This preview shows how the XYZ color 23.1885, 27.7643, 65.1097 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 23.1885, 27.7643, 65.1097 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

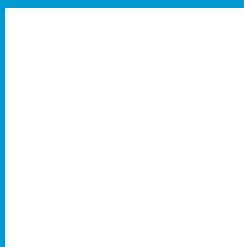
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1885, 27.7643, 65.1097

Background



This preview shows how black text looks on a background with the XYZ color 23.1885, 27.7643, 65.1097.

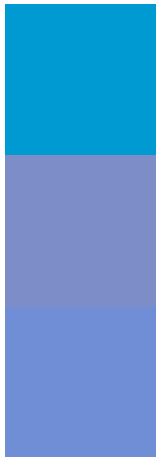


This preview shows how white text looks on a background with the XYZ color 23.1885, 27.7643,

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

23.1885, 27.7643, 65.1097

Protanopia

28.2911, 27.5332, 57.8562

Deuteranopia

28.3653, 27.5948, 66.7821



Tritanopia

19.7488, 27.7365, 42.8409

Trichromacy



Original Color

23.1885, 27.7643, 65.1097

Protanomaly

24.3666, 26.5750, 60.3451

Deuteranomaly

24.7611, 26.6508, 66.1264

Tritanomaly

20.8139, 27.6167, 50.1325

Monochromacy



Original Color

23.1885, 27.7643, 65.1097

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.0227, 19.2869, 31.3120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1885, 27.7643, 65.1097 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 210) }
```

Border

The CSS property to change the border of an element to XYZ 23.1885, 27.7643, 65.1097 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, 210) }
```


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

```
.border{ border-color:rgb(0, 154, 210) }
```

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, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1885, 27.7643, 65.1097 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, 210) }
```

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

```
.background{ background-color: rgb(0, 154,  
210) }
```

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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