

Converting Colors

XYZ(9.5281, 21.6336, 64.6562)

Have a look what the booklet for
XYZ(9.5281, 21.6336, 64.6562)
contains.

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Color

**XYZ(23.8597, 29.1069,
65.3334)**

Conversions

Conversions Part 1

Format	Color
Hex	009ED2
RGB	0, 158, 210
RGB Percent	0%, 62%, 82%
CMY	0.9998, 0.3804, 0.1765
CMYK	1.00, 0.25, 0.00, 0.18
HSL	195°, 100%, 41%
HSV	195°, 100%, 82%
XYZ	23.8597, 29.1069, 65.3334
YIQ	116.6860, -110.8600, -17.3240

Conversions

Conversions Part 2

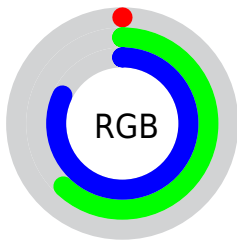
Format	Color
RYB	0, 90, 210
Decimal	40658
CIELab	60.88, -15.95, -36.15
CIELCh	61, 39.507, 246.191
Yxy	29.1069, 0.2017, 0.2460
Android (android.graphics.Color)	4278230738 (0xFF009ED2)
YUV	116.6860, 46.0038, -102.3336
Hunter-Lab	53.9508, -15.4724, -34.0335

Details

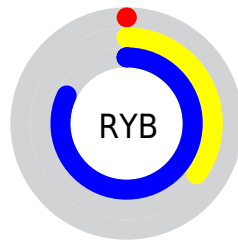
The XYZ color **23.8597, 29.1069, 65.3334** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **27.8088, 16.1618, 1.6552**, and the grayscale version is **16.7031, 17.5729, 19.1369**.

A 20% lighter version of the original color is **47.3237, 57.6333, 103.2379**, and **11.1741, 12.8819, 32.9079** is the 20% darker color. If you saturate the color by 10%, you get **23.8582, 29.1037, 65.3335**, and if you desaturate by 10%, it is **25.0765, 31.0797, 65.6507**.

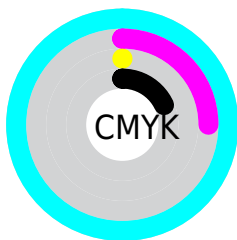
Distribution



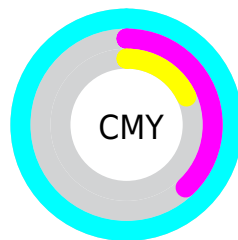
- Red (0%)
- Green (62%)
- Blue (82%)



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



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (38%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8597, 29.1069, 65.3334 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 23.8597, 29.1069, 65.3334 by changing the saturation by 10% instead.

■ 23.8597, 29.1069,
65.3334

■ 23.8597, 29.1069,
65.3334

264.5641,
297.7190, 462.3281

■ 15.3538, 19.1617,
47.2784

■ 49.2575, 58.2469,
114.1469

■ 9.1560, 11.7872,
32.8999

■ 66.8801, 78.2105,
145.7425

■ 4.9010, 6.5989,
21.7793

■ 88.2722, 102.2823,
182.6887

■ 2.2234, 3.2126,
13.4980

■ 113.7993,
130.8468, 225.4041

■ 0.7550, 1.2437,
7.6376

■ 143.8266,
164.2883, 274.3072

■ 0.0000, 0.0970,
3.7795

178.7197,

■ 0.0000, 0.0000,

202.9912, 329.8165

1.5052

218.8437,
247.3400, 392.3506

■ 0.0000, 0.0000,
0.2218

■ 0.0000, 0.0000,
0.0000

■ 23.8597, 29.1069,
65.3334

■ 23.8597, 29.1069,
65.3334

■ 23.8582, 29.1037,
65.3335

■ 25.0765, 31.0797,
65.6507

■ 26.6670, 33.3011,
65.9956

■ 28.7457, 35.8312,
66.3744

■ 31.3745, 38.7026,
66.7901

■ 34.6060, 41.9432,
67.2453

■ 38.4864, 45.5771,
67.7422

■ 43.0569, 49.6264,
68.2829

■ 48.3554, 54.1113,
68.8693

■ 54.4169, 59.0503,
69.5031

Harmonies

Analogous

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



20.4229, 29.1069, 51.5442



23.8597, 29.1069, 65.3334



28.7461, 29.1069, 69.0404

Triad

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



23.8597, 29.1069, 65.3334



38.7151, 29.1069, 28.7336



22.2240, 29.1069, 13.8816

Complementary

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



23.8597, 29.1069, 65.3334



27.8088, 16.1618, 1.6552

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.



26.6118, 29.1069, 11.0424



23.8597, 29.1069, 65.3334



36.4445, 29.1069, 17.7311

Square

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



23.8597, 29.1069, 65.3334



37.7419, 29.1069, 44.5649



31.8553, 29.1069, 12.1926



19.5636, 29.1069, 21.5733

Rectangle

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



23.8597, 29.1069, 65.3334



32.2665, 29.1069, 64.5306



31.8553, 29.1069, 12.1926



23.5236, 29.1069, 12.4577

Sweetspot

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



23.8607, 29.1079, 65.3341



66.5359, 76.7660, 105.9182



23.6025, 46.3160, 10.6055



13.5691, 15.8426, 22.5927



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.



23.8607, 29.1079, 65.3341



36.8656, 44.8513, 101.3219



13.0493, 7.4851, 61.7303



11.9001, 12.8904, 15.1046



14.6360, 17.9185, 39.8797



0.8788, 1.1228, 2.2500

Inverse Universe

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



32.7508, 16.1714, 33.7439



50.7373, 25.0589, 51.9419



38.1366, 36.8173, 5.0977



12.1805, 11.9569, 14.2261



20.0183, 9.8802, 20.8003



1.1498, 0.5646, 1.3237

Previews

White Background



This preview shows how the XYZ color 23.8597, 29.1069, 65.3334 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 23.8597, 29.1069, 65.3334 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

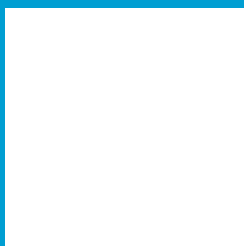
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8597, 29.1069, 65.3334

Background



This preview shows how black text looks on a background with the XYZ color 23.8597, 29.1069, 65.3334.

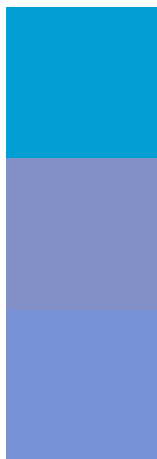


This preview shows how white text looks on a background with the XYZ color 23.8597, 29.1069,

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

23.8597, 29.1069, 65.3334

Protanopia

29.4880, 28.8159, 58.0407

Deuteranopia

29.6069, 28.9064, 66.9698



Tritanopia

20.6582, 28.9358, 45.0538

Trichromacy



Original Color

23.8597, 29.1069, 65.3334



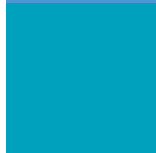
Protanomaly

25.0942, 27.6457, 60.5135



Deuteranomaly

25.6917, 28.0620, 66.3498



Tritanomaly

21.8220, 29.1206, 52.0476

Monochromacy



Original Color

23.8597, 29.1069, 65.3334



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

16.6612, 20.1927, 32.2976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8597, 29.1069, 65.3334 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, 158, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 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, 158, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 210) }
```

Border

The CSS property to change the border of an element to XYZ 23.8597, 29.1069, 65.3334 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, 158, 210) }
```


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

```
.border{ border-color:rgb(0, 158, 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, 158, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8597, 29.1069, 65.3334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 210) }
```

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

```
.background{ background-color: rgb(0, 158,  
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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