

Converting Colors

XYZ(22.8867, 26.9963, 65.5159)

Have a look what the booklet for
XYZ(22.8867, 26.9963, 65.5159)
contains.

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Color

**XYZ(22.9861, 27.1596,
65.6589)**

Conversions

Conversions Part 1

Format	Color
Hex	0098D3
RGB	0, 152, 211
RGB Percent	0%, 60%, 83%
CMY	0.9998, 0.4039, 0.1725
CMYK	1.00, 0.28, 0.00, 0.17
HSL	197°, 100%, 41%
HSV	197°, 100%, 83%
XYZ	22.9861, 27.1596, 65.6589
YIQ	113.2780, -109.5310, -13.8750

Conversions

Conversions Part 2

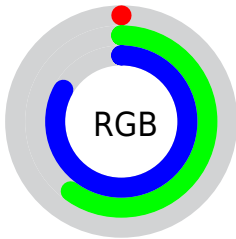
Format	Color
R _{YB}	0, 88, 211
Decimal	39123
CIE Lab	59.12, -12.29, -39.45
CIE LCh	59, 41.318, 252.702
Yxy	27.1596, 0.1985, 0.2345
Android (android.graphics.Color)	4278229203 (0xFF0098D3)
YUV	113.2780, 48.1769, -99.3448
Hunter-Lab	52.1149, -12.4707, -38.2183

Details

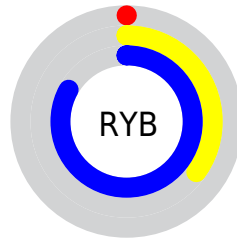
The XYZ color **22.9861, 27.1596, 65.6589** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **28.4310, 16.9820, 1.7808**, and the grayscale version is **15.6679, 16.4838, 17.9509**.

A 20% lighter version of the original color is **45.4881, 54.1293, 102.6583**, and **10.6544, 11.7077, 33.1507** is the 20% darker color. If you saturate the color by 10%, you get **22.9843, 27.1557, 65.6588**, and if you desaturate by 10%, it is **24.2807, 29.2849, 66.0015**.

Distribution



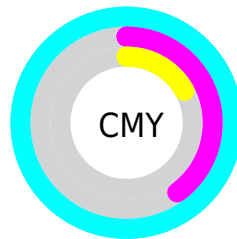
- Red (0%)
- Green (60%)
- Blue (83%)



- Red (0%)
- Yellow (35%)
- Blue (83%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (40%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9861, 27.1596, 65.6589 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 22.9861, 27.1596, 65.6589 by changing the saturation by 10% instead.

■ 22.9861, 27.1596,
65.6589

■ 22.9861, 27.1596,
65.6589

260.1903,
288.4290, 463.5269

■ 14.7039, 17.6931,
47.5408

■ 47.8373, 55.1399,
114.6190

■ 8.6968, 10.7299,
33.1060

■ 65.1370, 74.4224,
146.2980

■ 4.5995, 5.8855,
21.9359

■ 86.1733, 97.7459,
183.3345

■ 2.0465, 2.7756,
13.6119

■ 111.3115,
125.4945, 226.1469

■ 0.6599, 1.0157,
7.7156

■ 140.9169,
158.0527, 275.1538

■ 0.0000, 0.0000,
3.8284

175.3549,

■ 0.0000, 0.0000,

195.8050, 330.7737

1.5317

214.9909,
239.1356, 393.4253

■ 0.0000, 0.0000,
0.2413

■ 0.0000, 0.0000,
0.0000

■ 22.9861, 27.1596,
65.6589

■ 22.9861, 27.1596,
65.6589

■ 22.9843, 27.1557,
65.6588

■ 24.2807, 29.2849,
66.0015

■ 25.9635, 31.6816,
66.3754

■ 28.1499, 34.4107,
66.7869

■ 30.9029, 37.5055,
67.2392

■ 34.2758, 40.9946,
67.7349

■ 38.3156, 44.9030,
68.2763

■ 43.0643, 49.2533,
68.8657

■ 48.5602, 54.0661,
69.5050

■ 54.8392, 59.3608,
70.1961

Harmonies

Analogous

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



19.2119, 27.1596, 53.2174



22.9861, 27.1596, 65.6589



28.0487, 27.1596, 66.6638

Triad

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



22.9861, 27.1596, 65.6589



36.7043, 27.1596, 23.7757



19.6758, 27.1596, 13.2687

Complementary

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



22.9861, 27.1596, 65.6589



28.4310, 16.9820, 1.7808

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.



23.7020, 27.1596, 9.6641



22.9861, 27.1596, 65.6589



33.7789, 27.1596, 14.2318

Square

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



22.9861, 27.1596, 65.6589



36.4455, 27.1596, 38.8109



28.8656, 27.1596, 9.9455



17.4822, 27.1596, 21.9299

Rectangle

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



22.9861, 27.1596, 65.6589



31.5298, 27.1596, 60.3526



28.8656, 27.1596, 9.9455



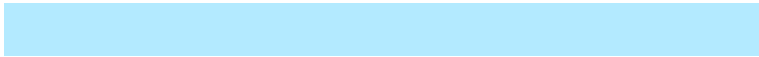
20.8351, 27.1596, 11.5779

Sweetspot

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



22.9871, 27.1605, 65.6596



65.8353, 75.3648, 105.6847



24.0164, 46.8778, 11.5629



13.4008, 15.5060, 22.5366



0.0000, 0.0000, 0.0000



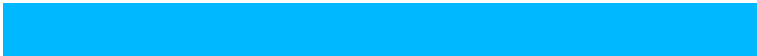
20.3446, 21.4041, 23.3091

Same Dimension

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



22.9871, 27.1605, 65.6596



35.1243, 41.3687, 100.7414



12.8683, 6.9229, 62.2867



11.8673, 12.8248, 15.0936



13.9612, 16.5690, 39.6548



0.8457, 1.0566, 2.2389

Inverse Universe

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



32.5324, 16.1171, 31.1027



49.8583, 24.7073, 47.3135



39.7459, 39.6119, 5.5524



12.1639, 11.9503, 14.1389



19.6777, 9.7439, 19.0067



1.1331, 0.5580, 1.2358

Previews

White Background



This preview shows how the XYZ color 22.9861, 27.1596, 65.6589 looks on a white background.

Color Contrast Check

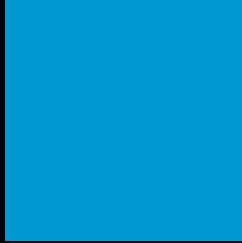
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9861, 27.1596, 65.6589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

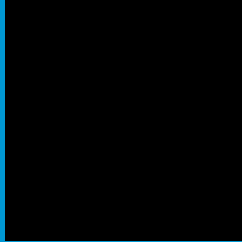
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.9861, 27.1596, 65.6589

Background



This preview shows how black text looks on a background with the XYZ color 22.9861, 27.1596, 65.6589.

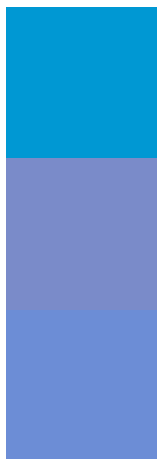


This preview shows how white text looks on a background with the XYZ color 22.9861, 27.1596,

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

22.9861, 27.1596, 65.6589

Protanopia

27.8013, 26.8199, 58.9698

Deuteranopia

27.8468, 27.0929, 67.3801



Tritanopia

19.2184, 26.9785, 41.7306

Trichromacy



Original Color

22.9861, 27.1596, 65.6589



Protanomaly

24.1346, 25.9740, 61.4991



Deuteranomaly

24.5899, 26.3201, 66.7351



Tritanomaly

20.3731, 26.9034, 49.4665

Monochromacy



Original Color

22.9861, 27.1596, 65.6589



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

15.6867, 18.7264, 31.2215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9861, 27.1596, 65.6589 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, 152, 211)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 211)  
}
```

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, 152, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 211) }
```

Border

The CSS property to change the border of an element to XYZ 22.9861, 27.1596, 65.6589 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, 152, 211) }
```


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

```
.border{ border-color:rgb(0, 152, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 152, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 211);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9861, 27.1596, 65.6589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 211) }
```

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

```
.background{ background-color: rgb(0, 152,  
211) }
```

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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