

Converting Colors

XYZ(25.7643, 32.0676, 68.5841)

Have a look what the booklet for
XYZ(25.7643, 32.0676, 68.5841)
contains.

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Color

**XYZ(25.7738, 32.1275,
68.4611)**

Conversions

Conversions Part 1

Format	Color
Hex	00A6D6
RGB	0, 166, 214
RGB Percent	0%, 65%, 84%
CMY	0.9998, 0.3490, 0.1608
CMYK	1.00, 0.22, 0.00, 0.16
HSL	193°, 100%, 42%
HSV	193°, 100%, 84%
XYZ	25.7738, 32.1275, 68.4611
YIQ	121.8380, -114.3440, -20.2640

Conversions

Conversions Part 2

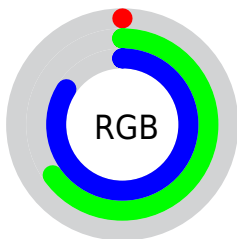
Format	Color
RYB	0, 93, 214
Decimal	42710
CIELab	63.45, -18.82, -34.36
CIElCh	63, 39.176, 241.292
Yxy	32.1275, 0.2040, 0.2542
Android (android.graphics.Color)	4278232790 (0xFF00A6D6)
YUV	121.8380, 45.4359, -106.8519
Hunter-Lab	56.6811, -18.0252, -31.9354

Details

The XYZ color **25.7738, 32.1275, 68.4611** 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 **28.7910, 16.4142, 1.6522**, and the grayscale version is **18.3343, 19.2892, 21.0059**.

A 20% lighter version of the original color is **49.5000, 61.8165, 103.9306**, and **12.2753, 14.5378, 34.9600** is the 20% darker color. If you saturate the color by 10%, you get **25.7723, 32.1243, 68.4612**, and if you desaturate by 10%, it is **26.9823, 34.0709, 68.7732**.

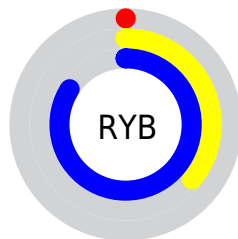
Distribution



Red (0%)

Green (65%)

Blue (84%)



Red (0%)

Yellow (36%)

Blue (84%)

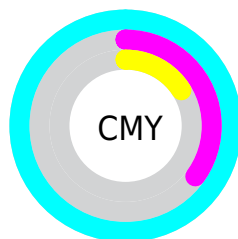


Cyan (100%)

Magenta (22%)

Yellow (0%)

Black (16%)



Cyan (100%)

Magenta (35%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7738, 32.1275, 68.4611 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 25.7738, 32.1275, 68.4611 by changing the saturation by 10% instead.

■ 25.7738, 32.1275,
68.4611

■ 25.7738, 32.1275,
68.4611

273.9470,
311.6996, 473.7703

■ 16.7863, 21.4589,
49.8039

■ 52.3437, 63.0109,
118.6720

■ 10.1766, 13.4599,
34.8875

■ 70.6568, 83.9945,
151.0628

■ 5.5794, 7.7460,
23.2934

■ 92.8092, 109.1853,
188.8685

■ 2.6292, 3.9328,
14.6030

■ 119.1661,
138.9675, 232.5077

■ 0.9609, 1.6361,
8.3977

■ 150.0930,
173.7257, 282.3990

■ 0.0000, 0.3817,
4.2591

185.9552,

■ 0.0000, 0.0000,

213.8442, 338.9608

1.7685

227.1181,
259.7074, 402.6117

■ 0.0000, 0.0000,
0.4071

■ 0.0000, 0.0000,
0.0000

■ 25.7738, 32.1275,
68.4611

■ 25.7738, 32.1275,
68.4611

■ 25.7723, 32.1243,
68.4612

■ 26.9823, 34.0709,
68.7732

■ 28.5755, 36.2610,
69.1119

■ 30.6714, 38.7597,
69.4838

■ 33.3353, 41.6011,
69.8918

■ 36.6220, 44.8139,
70.3387

■ 40.5796, 48.4234,
70.8268

■ 45.2515, 52.4525,
71.3583

■ 50.6771, 56.9219,
71.9350

■ 56.8930, 61.8510,
72.5588

Harmonies

Analogous

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



22.4277, 32.1275, 53.0008



25.7738, 32.1275, 68.4611



30.7731, 32.1275, 74.3845

Triad

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



25.7738, 32.1275, 68.4611



42.2574, 32.1275, 34.3090



25.4100, 32.1275, 15.0912

Complementary

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



25.7738, 32.1275, 68.4611



28.7910, 16.4142, 1.6522

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.



30.3005, 32.1275, 12.7371



25.7738, 32.1275, 68.4611



40.3956, 32.1275, 21.5933

Square

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



25.7738, 32.1275, 68.4611



40.6810, 32.1275, 51.4696



35.8519, 32.1275, 14.7082



22.2359, 32.1275, 22.4543

Rectangle

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



25.7738, 32.1275, 68.4611



34.5020, 32.1275, 71.0603



35.8519, 32.1275, 14.7082



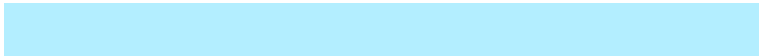
26.8866, 32.1275, 13.8064

Sweetspot

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



25.7749, 32.1286, 68.4619



67.0523, 77.7988, 106.0904



24.5486, 48.2944, 10.6547



13.6934, 16.0912, 22.6341



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.



25.7749, 32.1286, 68.4619



38.1967, 47.5133, 101.7656



13.7894, 8.1576, 64.4667



12.5449, 13.6132, 15.9039



15.6585, 19.5787, 41.4069



1.0039, 1.2997, 2.5173

Inverse Universe

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



34.6155, 17.0506, 37.5441



51.4091, 25.3276, 55.4798



39.1858, 37.2038, 5.1171



12.8282, 12.5828, 15.0358



20.9625, 10.3213, 22.9045



1.2943, 0.6345, 1.5394

Previews

White Background



This preview shows how the XYZ color 25.7738, 32.1275, 68.4611 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 25.7738, 32.1275, 68.4611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

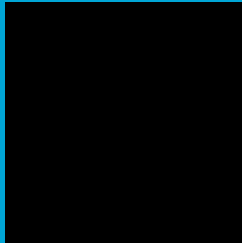
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.7738, 32.1275, 68.4611

Background



This preview shows how black text looks on a background with the XYZ color 25.7738, 32.1275, 68.4611.

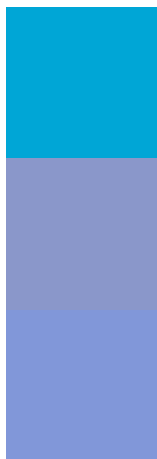


This preview shows how white text looks on a background with the XYZ color 25.7738, 32.1275,

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

25.7738, 32.1275, 68.4611

Protanopia

32.2085, 31.8008, 60.3177

Deuteranopia

32.6443, 31.8101, 70.0651



Tritanopia

22.9220, 32.1683, 49.8007

Trichromacy



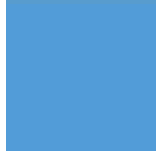
Original Color

25.7738, 32.1275, 68.4611



Protanomaly

27.0535, 30.3079, 62.8166



Deuteranomaly

27.7628, 30.5286, 69.3951



Tritanomaly

23.9256, 32.2710, 56.0068

Monochromacy



Original Color

25.7738, 32.1275, 68.4611



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

18.1468, 22.1632, 34.3318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7738, 32.1275, 68.4611 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, 166, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 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, 166, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 214) }
```

Border

The CSS property to change the border of an element to XYZ 25.7738, 32.1275, 68.4611 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, 166, 214) }
```


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

```
.border{ border-color:rgb(0, 166, 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, 166, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7738, 32.1275, 68.4611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 214) }
```

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

```
.background{ background-color: rgb(0, 166,  
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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