

Converting Colors

XYZ(27.3697, 35.2783, 69.1192)

Have a look what the booklet for
XYZ(27.3697, 35.2783, 69.1192)
contains.

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Color

**XYZ(27.2737, 35.1271,
68.9611)**

Conversions

Conversions Part 1

Format	Color
Hex	00AED6
RGB	0, 174, 214
RGB Percent	0%, 68%, 84%
CMY	0.9998, 0.3176, 0.1608
CMYK	1.00, 0.19, 0.00, 0.16
HSL	191°, 100%, 42%
HSV	191°, 100%, 84%
XYZ	27.2737, 35.1271, 68.9611
YIQ	126.5340, -116.5440, -24.4480

Conversions

Conversions Part 2

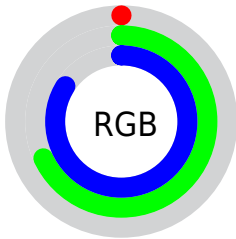
Format	Color
RYB	0, 96, 214
Decimal	44758
CIELab	65.85, -23.00, -30.64
CIELCh	66, 38.312, 233.105
Yxy	35.1271, 0.2076, 0.2674
Android (android.graphics.Color)	4278234838 (0xFF00AED6)
YUV	126.5340, 43.1207, -110.9703
Hunter-Lab	59.2681, -21.5780, -27.4989

Details

The XYZ color **27.2737, 35.1271, 68.9611** 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 **28.4929, 15.8179, 1.5531**, and the grayscale version is **19.9054, 20.9420, 22.8058**.

A 20% lighter version of the original color is **52.0557, 66.7567, 104.7494**, and **13.0954, 16.1779, 35.2333** is the 20% darker color. If you saturate the color by 10%, you get **27.2721, 35.1237, 68.9612**, and if you desaturate by 10%, it is **28.3778, 36.8615, 69.2384**.

Distribution



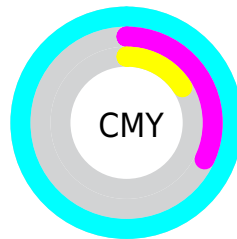
- Red (0%)
- Green (68%)
- Blue (84%)



- Red (0%)
- Yellow (38%)
- Blue (84%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (32%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2737, 35.1271, 68.9611 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 27.2737, 35.1271, 68.9611 by changing the saturation by 10% instead.

27.2737, 35.1271,
68.9611

27.2737, 35.1271,
68.9611

281.1233,
325.1290, 475.5840

17.9165, 23.7608,
50.2085

54.7395, 67.6826,
119.3932

10.9894, 15.1563,
35.2067

73.5789, 89.6406,
151.9097

6.1270, 8.9291,
23.5373

96.3098, 115.8980,
189.8513

2.9638, 4.6950,
14.7818

123.2975,
146.8391, 233.6365

1.1347, 2.0694,
8.5214

154.9073,
182.8484, 283.6838

0.0538, 0.6474,
4.3379

191.5046,

0.0000, 0.0000,

224.3102, 340.4118

1.8125

233.4549,
271.6089, 404.2390

■ 0.0000, 0.0000,
0.4362

■ 0.0000, 0.0000,
0.0000

■ 27.2737, 35.1271,
68.9611

■ 27.2737, 35.1271,
68.9611

■ 27.2721, 35.1237,
68.9612

■ 28.3778, 36.8615,
69.2384

■ 29.8568, 38.8231,
69.5391

■ 31.8289, 41.0737,
69.8695

■ 34.3589, 43.6469,
70.2329

■ 37.5016, 46.5712,
70.6317

■ 41.3049, 49.8718,
71.0683

■ 45.8121, 53.5710,
71.5448

■ 51.0626, 57.6896,
72.0630

■ 57.0926, 62.2464,
72.6247

Harmonies

Analogous

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



24.3487, 35.1271, 51.8206



27.2737, 35.1271, 68.9611



32.0985, 35.1271, 78.2578

Triad

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



27.2737, 35.1271, 68.9611



45.3918, 35.1271, 42.1101



29.2981, 35.1271, 16.1543

Complementary

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



27.2737, 35.1271, 68.9611



28.4929, 15.8179, 1.5531

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.



34.7101, 35.1271, 14.9079



27.2737, 35.1271, 68.9611



44.4245, 35.1271, 27.2790

Square

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



27.2737, 35.1271, 68.9611



42.8635, 35.1271, 60.1627



40.3523, 35.1271, 18.3521



25.4220, 35.1271, 22.4284

Rectangle

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



27.2737, 35.1271, 68.9611



35.9148, 35.1271, 77.3169



40.3523, 35.1271, 18.3521



30.9812, 35.1271, 15.2228

Sweetspot

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



27.2749, 35.1283, 68.9620



67.8908, 79.4758, 106.3699



24.4185, 48.2424, 9.9687



13.8956, 16.4956, 22.7015



0.0000, 0.0000, 0.0000



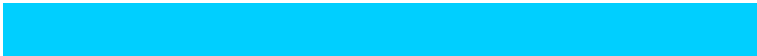
20.3446, 21.4041, 23.3091

Same Dimension

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



27.2749, 35.1283, 68.9620



40.4416, 52.0031, 102.5139



14.1939, 8.9664, 64.6017



12.5856, 13.6947, 15.9175



16.5556, 21.3730, 41.7060



1.0508, 1.3935, 2.5329

Inverse Universe

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



35.3727, 17.3536, 41.5306



52.5422, 25.7809, 61.4467



38.0501, 34.9322, 4.7388



12.8488, 12.5910, 15.1440



21.4154, 10.5025, 25.2892



1.3180, 0.6440, 1.6641

Previews

White Background



This preview shows how the XYZ color 27.2737, 35.1271, 68.9611 looks on a white background.

Color Contrast Check

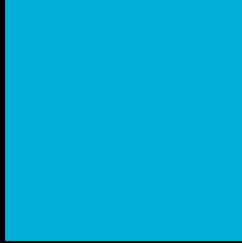
Large Text (above 18pt) WCAG AA × Fail

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 27.2737, 35.1271, 68.9611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

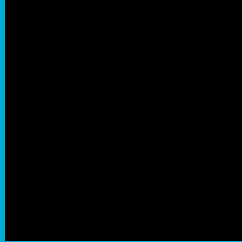
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.2737, 35.1271, 68.9611

Background



This preview shows how black text looks on a background with the XYZ color 27.2737, 35.1271, 68.9611.

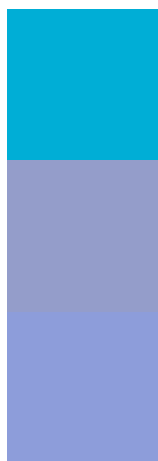


This preview shows how white text looks on a background with the XYZ color 27.2737, 35.1271,

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

27.2737, 35.1271, 68.9611

Protanopia

34.9304, 34.6741, 60.7289

Deuteranopia

35.6964, 34.8386, 71.1728



Tritanopia

25.1261, 35.2059, 54.7613

Trichromacy



Original Color

27.2737, 35.1271, 68.9611



Protanomaly

28.8539, 33.0303, 63.2472



Deuteranomaly

29.8380, 33.3778, 70.5156



Tritanomaly

25.8341, 35.1742, 59.4605

Monochromacy



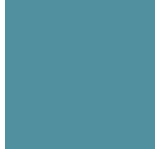
Original Color

27.2737, 35.1271, 68.9611



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

19.6246, 24.1991, 36.4374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2737, 35.1271, 68.9611 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, 174, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 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, 174, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 214) }
```

Border

The CSS property to change the border of an element to XYZ 27.2737, 35.1271, 68.9611 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, 174, 214) }
```


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

```
.border{ border-color:rgb(0, 174, 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, 174, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2737, 35.1271, 68.9611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 214) }
```

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

```
.background{ background-color: rgb(0, 174,  
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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