

Converting Colors

XYZ(8.7155, 26.7274, 67.9778)

Have a look what the booklet for
XYZ(8.7155, 26.7274, 67.9778)
contains.

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Color

**XYZ(27.9306, 36.6449,
68.5519)**

Conversions

Conversions Part 1

Format	Color
Hex	00B2D5
RGB	0, 178, 213
RGB Percent	0%, 70%, 84%
CMY	0.9998, 0.3020, 0.1647
CMYK	1.00, 0.16, 0.00, 0.16
HSL	190°, 100%, 42%
HSV	190°, 100%, 84%
XYZ	27.9306, 36.6449, 68.5519
YIQ	128.7680, -117.3230, -26.8510

Conversions

Conversions Part 2

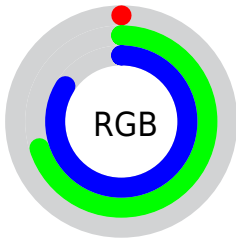
Format	Color
RYB	0, 97, 213
Decimal	45781
CIELab	67.01, -25.38, -28.30
CIELCh	67, 38.012, 228.105
Yxy	36.6449, 0.2098, 0.2753
Android (android.graphics.Color)	4278235861 (0xFF00B2D5)
YUV	128.7680, 41.5264, -112.9295
Hunter-Lab	60.5350, -23.5772, -24.7675

Details

The XYZ color **27.9306, 36.6449, 68.5519** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **28.0435, 15.3511, 1.4863**, and the grayscale version is **20.6792, 21.7561, 23.6924**.

A 20% lighter version of the original color is **53.1817, 69.0087, 105.1248**, and **13.5052, 17.1359, 34.9435** is the 20% darker color. If you saturate the color by 10%, you get **27.9298, 36.6429, 68.5523**, and if you desaturate by 10%, it is **28.9534, 38.2201, 68.8028**.

Distribution



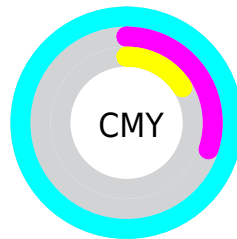
- Red (0%)
- Green (70%)
- Blue (84%)



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



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



- Cyan (100%)
- Magenta (30%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9306, 36.6449, 68.5519 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 27.9306, 36.6449, 68.5519 by changing the saturation by 10% instead.

■ 27.9306, 36.6449,
68.5519

■ 27.9306, 36.6449,
68.5519

284.2212,
331.7706, 474.1000

■ 18.4135, 24.9327,
49.8774

■ 55.7830, 70.0263,
118.8030

■ 11.3488, 16.0269,
34.9455

■ 74.8491, 92.4643,
151.2166

■ 6.3710, 9.5432,
23.3377

■ 97.8289, 119.2463,
189.0471

■ 3.1147, 5.0971,
14.6354

■ 125.0878,
150.7567, 232.7128

■ 1.2147, 2.3044,
8.4201

■ 156.9911,
187.3799, 282.6325

■ 0.1179, 0.7760,
4.2733

193.9043,

■ 0.0000, 0.0000,

229.5004, 339.2245

1.7765

236.1925,
277.5025, 402.9075

■ 0.0000, 0.0000,
0.4124

■ 0.0000, 0.0000,
0.0000

■ 27.9306, 36.6449,
68.5519

■ 27.9306, 36.6449,
68.5519

■ 27.9298, 36.6429,
68.5523

■ 28.9534, 38.2201,
68.8028

■ 30.3416, 40.0096,
69.0750

■ 32.2124, 42.0746,
69.3750

■ 34.6298, 44.4484,
69.7058

■ 37.6479, 47.1590,
70.0699

■ 41.3142, 50.2311,
70.4696

■ 45.6712, 53.6868,
70.9070

■ 50.7577, 57.5462,
71.3839

■ 56.6098, 61.8282,
71.9019

Harmonies

Analogous

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



25.3083, 36.6449, 50.6176



27.9306, 36.6449, 68.5519



32.5916, 36.6449, 79.7947

Triad

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



27.9306, 36.6449, 68.5519



46.8607, 36.6449, 46.8181



31.4928, 36.6449, 16.6688

Complementary

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



27.9306, 36.6449, 68.5519



28.0435, 15.3511, 1.4863

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.



37.1684, 36.6449, 16.1755



27.9306, 36.6449, 68.5519



46.4823, 36.6449, 30.8134

Square

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



27.9306, 36.6449, 68.5519



43.7637, 36.6449, 65.1173



42.7809, 36.6449, 20.6054



27.2030, 36.6449, 22.2132

Rectangle

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



27.9306, 36.6449, 68.5519



36.4185, 36.6449, 80.3756



42.7809, 36.6449, 20.6054



33.2881, 36.6449, 15.9764

Sweetspot

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



27.9318, 36.6462, 68.5528



68.4045, 80.5032, 106.5411



24.0557, 47.6936, 9.3036



14.0197, 16.7438, 22.7429



0.0000, 0.0000, 0.0000



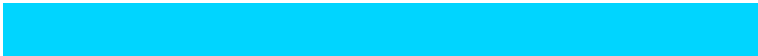
20.3446, 21.4041, 23.3091

Same Dimension

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



27.9318, 36.6462, 68.5528



41.8672, 54.8545, 102.9891



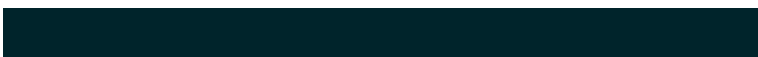
14.4986, 9.7798, 64.0751



12.6104, 13.7442, 15.9258



17.1245, 22.5108, 41.8956



1.0802, 1.4524, 2.5427

Inverse Universe

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



35.4775, 17.3617, 43.6020



53.2618, 26.0687, 65.2361



36.5967, 32.4576, 4.3374



12.8613, 12.5960, 15.2098



21.7025, 10.6173, 26.8013



1.3329, 0.6499, 1.7424

Previews

White Background



This preview shows how the XYZ color 27.9306, 36.6449, 68.5519 looks on a white background.

Color Contrast Check

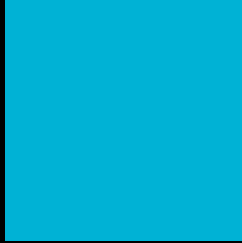
Large Text (above 18pt) WCAG AA × Fail

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 27.9306, 36.6449, 68.5519 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

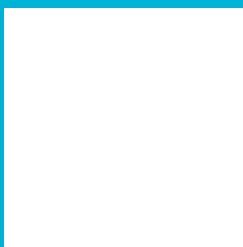
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.9306, 36.6449, 68.5519

Background



This preview shows how black text looks on a background with the XYZ color 27.9306, 36.6449, 68.5519.

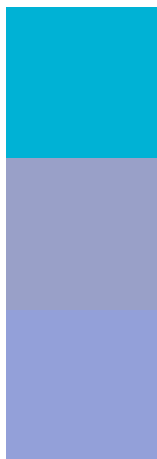


This preview shows how white text looks on a background with the XYZ color 27.9306, 36.6449,

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

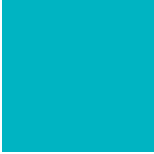
27.9306, 36.6449, 68.5519

Protanopia

36.1330, 36.0840, 59.7041

Deuteranopia

37.1278, 36.3544, 70.7059



Tritanopia

26.0589, 36.5376, 56.7179

Trichromacy



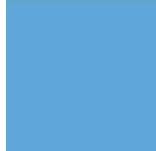
Original Color

27.9306, 36.6449, 68.5519



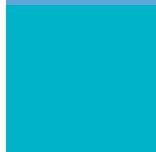
Protanomaly

29.7679, 34.5866, 62.8646



Deuteranomaly

30.8295, 34.9750, 70.0917



Tritanomaly

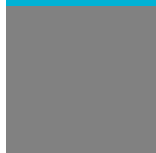
26.6627, 36.4572, 60.8900

Monochromacy



Original Color

27.9306, 36.6449, 68.5519



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

20.2586, 25.1993, 37.0539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9306, 36.6449, 68.5519 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, 178, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 213)  
}
```

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, 178, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 213) }
```

Border

The CSS property to change the border of an element to XYZ 27.9306, 36.6449, 68.5519 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, 178, 213) }
```


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

```
.border{ border-color:rgb(0, 178, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9306, 36.6449, 68.5519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 213) }
```

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

```
.background{ background-color: rgb(0, 178,  
213) }
```

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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