

Converting Colors

XYZ(10.6862, 27.1978, 69.4471)

Have a look what the booklet for
XYZ(10.6862, 27.1978, 69.4471)
contains.

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Color

**XYZ(27.9200, 36.0085,
70.4446)**

Conversions

Conversions Part 1

Format	Color
Hex	00B0D8
RGB	0, 176, 216
RGB Percent	0%, 69%, 85%
CMY	0.9998, 0.3098, 0.1529
CMYK	1.00, 0.19, 0.00, 0.15
HSL	191°, 100%, 42%
HSV	191°, 100%, 85%
XYZ	27.9200, 36.0085, 70.4446
YIQ	127.9360, -117.7360, -24.8720

Conversions

Conversions Part 2

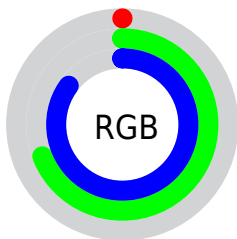
Format	Color
RYB	0, 97, 216
Decimal	45272
CIELab	66.53, -23.34, -30.69
CIELCh	67, 38.559, 232.746
Yxy	36.0085, 0.2078, 0.2680
Android (android.graphics.Color)	4278235352 (0xFF00B0D8)
YUV	127.9360, 43.4156, -112.1999
Hunter-Lab	60.0071, -21.9602, -27.5978

Details

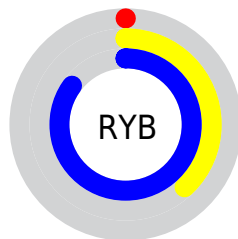
The XYZ color **27.9200, 36.0085, 70.4446** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **29.0801, 16.1203, 1.5804**, and the grayscale version is **20.3851, 21.4467, 23.3555**.

A 20% lighter version of the original color is **52.7323, 67.9365, 104.9415**, and **13.5160, 16.7391, 36.2368** is the 20% darker color. If you saturate the color by 10%, you get **27.9186, 36.0056, 70.4448**, and if you desaturate by 10%, it is **29.0400, 37.7683, 70.7260**.

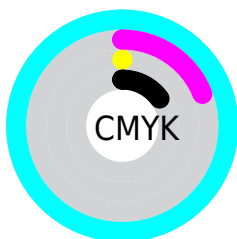
Distribution



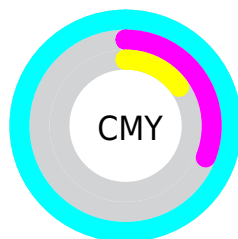
- Red (0%)
- Green (69%)
- Blue (85%)



- Red (0%)
- Yellow (38%)
- Blue (85%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (31%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9200, 36.0085, 70.4446 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 27.9200, 36.0085, 70.4446 by changing the saturation by 10% instead.

■ 27.9200, 36.0085,
70.4446

■ 27.9200, 36.0085,
70.4446

284.1715,
328.9977, 480.9408

■ 18.4055, 24.4408,
51.4100

■ 55.7662, 69.0452,
121.5296

■ 11.3430, 15.6609,
36.1560

■ 74.8287, 91.2829,
154.4172

■ 6.3670, 9.2845,
24.2641

■ 97.8045, 117.8461,
192.7594

■ 3.1123, 4.9272,
15.3156

■ 125.0590,
149.1191, 236.9750

■ 1.2134, 2.2046,
8.8921

■ 156.9576,
185.4864, 287.4824

■ 0.1169, 0.7225,
4.5750

193.8657,

■ 0.0000, 0.0000,

227.3324, 344.7001

1.9458

236.1485,
275.0413, 409.0467

■ 0.0000, 0.0000,
0.5217

■ 0.0000, 0.0000,
0.0000

■ 27.9200, 36.0085,
70.4446

■ 27.9200, 36.0085,
70.4446

■ 27.9186, 36.0056,
70.4448

■ 29.0400, 37.7683,
70.7260

■ 30.5430, 39.7596,
71.0311

■ 32.5493, 42.0452,
71.3665

■ 35.1253, 44.6597,
71.7354

■ 38.3271, 47.6322,
72.1404

■ 42.2037, 50.9884,
72.5839

■ 46.7993, 54.7512,
73.0680

■ 52.1542, 58.9417,
73.5946

■ 58.3057, 63.5794,
74.1655

Harmonies

Analogous

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



24.9527, 36.0085, 52.8680



27.9200, 36.0085, 70.4446



32.8388, 36.0085, 80.0891

Triad

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



27.9200, 36.0085, 70.4446



46.4956, 36.0085, 43.3712



30.0995, 36.0085, 16.5457

Complementary

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



27.9200, 36.0085, 70.4446



29.0801, 16.1203, 1.5804

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.



35.6496, 36.0085, 15.3258



27.9200, 36.0085, 70.4446



45.5495, 36.0085, 28.1290

Square

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



27.9200, 36.0085, 70.4446



43.8703, 36.0085, 61.8411



41.4142, 36.0085, 18.9150



26.1084, 36.0085, 22.9039

Rectangle

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



27.9200, 36.0085, 70.4446



36.7398, 36.0085, 79.2383



41.4142, 36.0085, 18.9150



31.8277, 36.0085, 15.6111

Sweetspot

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



27.9212, 36.0098, 70.4455



67.9301, 79.5544, 106.3830



24.9338, 49.2634, 10.1705



13.9050, 16.5145, 22.7047



0.0000, 0.0000, 0.0000



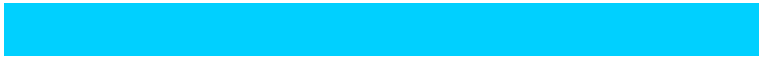
20.3446, 21.4041, 23.3091

Same Dimension

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



27.9212, 36.0098, 70.4455



40.5492, 52.2185, 102.5497



14.4891, 9.1455, 65.9681



12.5875, 13.6985, 15.9182



16.5986, 21.4590, 41.7203



1.0530, 1.3980, 2.5337

Inverse Universe

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



36.1565, 17.7349, 42.5929



52.5966, 25.8026, 61.7329



38.8495, 35.6592, 4.8369



12.8498, 12.5914, 15.1491



21.4371, 10.5111, 25.4034



1.3192, 0.6445, 1.6700

Previews

White Background



This preview shows how the XYZ color 27.9200, 36.0085, 70.4446 looks on a white background.

Color Contrast Check

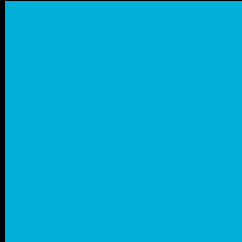
Large Text (above 18pt) WCAG AA × Fail

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 27.9200, 36.0085, 70.4446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

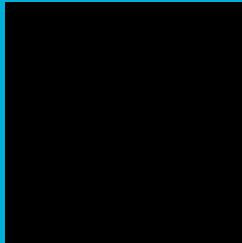
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.9200, 36.0085, 70.4446

Background



This preview shows how black text looks on a background with the XYZ color 27.9200, 36.0085, 70.4446.

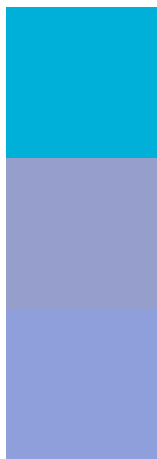


This preview shows how white text looks on a background with the XYZ color 27.9200, 36.0085,

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

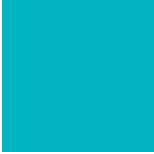
27.9200, 36.0085, 70.4446

Protanopia

35.8749, 35.6399, 62.1151

Deuteranopia

36.6441, 35.8032, 72.6895



Tritanopia

25.7457, 36.0905, 56.0613

Trichromacy



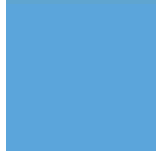
Original Color

27.9200, 36.0085, 70.4446



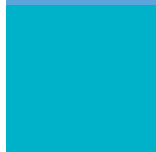
Protanomaly

29.5596, 33.8972, 64.6594



Deuteranomaly

30.5557, 34.2489, 72.0181



Tritanomaly

26.4630, 36.0578, 60.8235

Monochromacy



Original Color

27.9200, 36.0085, 70.4446



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

19.8639, 24.5382, 36.9471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9200, 36.0085, 70.4446 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, 176, 216)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 216)  
}
```

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, 176, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 216) }
```

Border

The CSS property to change the border of an element to XYZ 27.9200, 36.0085, 70.4446 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, 176, 216) }
```


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

```
.border{ border-color:rgb(0, 176, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 216);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9200, 36.0085, 70.4446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 216) }
```

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

```
.background{ background-color: rgb(0, 176,  
216) }
```

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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