

Converting Colors

XYZ(28.1137, 36.7663, 69.3672)

Have a look what the booklet for
XYZ(28.1137, 36.7663, 69.3672)
contains.

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Color

**XYZ(28.0580, 36.6958,
69.2225)**

Conversions

Conversions Part 1

Format	Color
Hex	00B2D6
RGB	0, 178, 214
RGB Percent	0%, 70%, 84%
CMY	0.9998, 0.3020, 0.1608
CMYK	1.00, 0.17, 0.00, 0.16
HSL	190°, 100%, 42%
HSV	190°, 100%, 84%
XYZ	28.0580, 36.6958, 69.2225
YIQ	128.8820, -117.6440, -26.5400

Conversions

Conversions Part 2

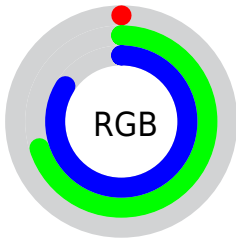
Format	Color
RYB	0, 97, 214
Decimal	45782
CIELab	67.05, -25.04, -28.79
CIELCh	67, 38.155, 228.976
Yxy	36.6958, 0.2094, 0.2739
Android (android.graphics.Color)	4278235862 (0xFF00B2D6)
YUV	128.8820, 41.9632, -113.0295
Hunter-Lab	60.5771, -23.3325, -25.3478

Details

The XYZ color **28.0580, 36.6958, 69.2225** 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 **28.3646, 15.5614, 1.5102**, and the grayscale version is **20.7183, 21.7973, 23.7373**.

A 20% lighter version of the original color is **53.1817, 69.0087, 105.1248**, and **13.5916, 17.1704, 35.3988** is the 20% darker color. If you saturate the color by 10%, you get **28.0568, 36.6931, 69.2228**, and if you desaturate by 10%, it is **29.1034, 38.3130, 69.4803**.

Distribution



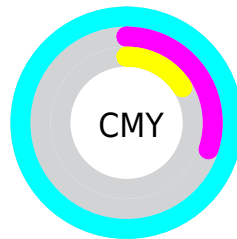
- Red (0%)
- Green (70%)
- Blue (84%)



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



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (16%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0580, 36.6958, 69.2225 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 28.0580, 36.6958, 69.2225 by changing the saturation by 10% instead.

■ 28.0580, 36.6958,
69.2225

■ 28.0580, 36.6958,
69.2225

284.8190,
331.9916, 476.5305

■ 18.5101, 24.9721,
50.4201

■ 55.9850, 70.1047,
119.7700

■ 11.4187, 16.0562,
35.3738

■ 75.0948, 92.5586,
152.3522

■ 6.4186, 9.5640,
23.6651

■ 98.1226, 119.3580,
190.3646

■ 3.1443, 5.1108,
14.8755

■ 125.4338,
150.8873, 234.2259

■ 1.2305, 2.3124,
8.5864

■ 157.3936,
187.5310, 284.3546

■ 0.1303, 0.7803,
4.3793

194.3675,

■ 0.0000, 0.0000,

229.6733, 341.1693

1.8356

236.7209,
277.6987, 405.0884

■ 0.0000, 0.0000,
0.4513

■ 0.0000, 0.0000,
0.0000

■ 28.0580, 36.6958,
69.2225

■ 28.0580, 36.6958,
69.2225

■ 28.0568, 36.6931,
69.2228

■ 29.1034, 38.3130,
69.4803

■ 30.5195, 40.1488,
69.7600

■ 32.4242, 42.2648,
70.0680

■ 34.8825, 44.6947,
70.4075

■ 37.9490, 47.4669,
70.7809

■ 41.6717, 50.6063,
71.1907

■ 46.0937, 54.1354,
71.6388

■ 51.2543, 58.0746,
72.1272

■ 57.1899, 62.4428,
72.6575

Harmonies

Analogous

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



25.3588, 36.6958, 51.2682



28.0580, 36.6958, 69.2225



32.7888, 36.6958, 80.2227

Triad

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



28.0580, 36.6958, 69.2225



47.0107, 36.6958, 46.3795



31.3758, 36.6958, 16.7223

Complementary

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



28.0580, 36.6958, 69.2225



28.3646, 15.5614, 1.5102

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.



37.0546, 36.6958, 16.0889



28.0580, 36.6958, 69.2225



46.5239, 36.6958, 30.4429

Square

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



28.0580, 36.6958, 69.2225



43.9873, 36.6958, 64.8015



42.7228, 36.6958, 20.3776



27.1225, 36.6958, 22.4434

Rectangle

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



28.0580, 36.6958, 69.2225



36.6475, 36.6958, 80.5385



42.7228, 36.6958, 20.3776



33.1669, 36.6958, 15.9811

Sweetspot

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



28.0592, 36.6971, 69.2234



68.3153, 80.3248, 106.5114



24.3616, 48.2196, 9.6694



13.9981, 16.7007, 22.7357



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.



28.0592, 36.6971, 69.2234



41.6169, 54.3537, 102.9056



14.4152, 9.4091, 64.6754



12.6061, 13.7356, 15.9243



17.0247, 22.3111, 41.8623



1.0751, 1.4421, 2.5410

Inverse Universe

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



35.7685, 17.5119, 43.6155



53.1355, 26.0182, 64.5707



37.5074, 33.8470, 4.5578



12.8591, 12.5951, 15.1984



21.6521, 10.5972, 26.5359



1.3303, 0.6489, 1.7287

Previews

White Background



This preview shows how the XYZ color 28.0580, 36.6958, 69.2225 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 28.0580, 36.6958, 69.2225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

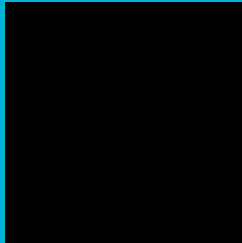
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.0580, 36.6958, 69.2225

Background



This preview shows how black text looks on a background with the XYZ color 28.0580, 36.6958, 69.2225.

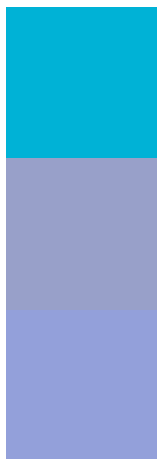


This preview shows how white text looks on a background with the XYZ color 28.0580, 36.6958,

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

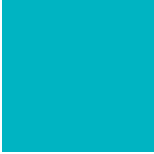
28.0580, 36.6958, 69.2225

Protanopia

36.0623, 36.0341, 60.3129

Deuteranopia

37.2583, 36.4066, 71.3931



Tritanopia

26.0589, 36.5376, 56.7179

Trichromacy



Original Color

28.0580, 36.6958, 69.2225



Protanomaly

29.8891, 34.6351, 63.5024



Deuteranomaly

30.9592, 35.0269, 70.7748



Tritanomaly

26.6627, 36.4572, 60.8900

Monochromacy



Original Color

28.0580, 36.6958, 69.2225



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 28.0580, 36.6958, 69.2225 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 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, 178, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 214) }
```

Border

The CSS property to change the border of an element to XYZ 28.0580, 36.6958, 69.2225 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, 214) }
```


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

```
.border{ border-color:rgb(0, 178, 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, 178, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0580, 36.6958, 69.2225 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, 214) }
```

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

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