

Converting Colors

XYZ(29.0603, 37.6080, 70.6929)

Have a look what the booklet for
XYZ(29.0603, 37.6080, 70.6929)
contains.

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Color

**XYZ(28.9668, 37.4311,
70.6640)**

Conversions

Conversions Part 1

Format	Color
Hex	1BB3D8
RGB	27, 179, 216
RGB Percent	11%, 70%, 85%
CMY	0.8940, 0.2980, 0.1529
CMYK	0.87, 0.17, 0.00, 0.15
HSL	192°, 78%, 48%
HSV	192°, 87%, 85%
XYZ	28.9668, 37.4311, 70.6640
YIQ	137.7700, -102.4690, -20.7170

Conversions

Conversions Part 2

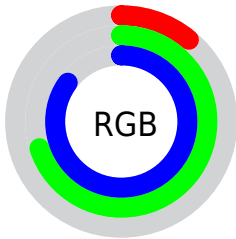
Format	Color
R_{YB}	27, 111, 216
Decimal	1815512
CIE _{Lab}	67.60, -23.86, -29.02
CIE _{LCh}	68, 37.572, 230.571
Yxy	37.4311, 0.2113, 0.2731
Android (android.graphics.Color)	4280005592 (0xFF1BB3D8)
YUV	137.7700, 38.5674, -97.1453
Hunter-Lab	61.1810, -22.5539, -25.6533

Details

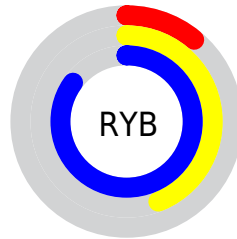
The XYZ color **28.9668, 37.4311, 70.6640** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **30.3521, 18.3479, 2.9802**, and the grayscale version is **23.9590, 25.2067, 27.4501**.

A 20% lighter version of the original color is **54.3139, 70.0162, 105.2596**, and **13.8939, 17.4949, 36.3628** is the 20% darker color. If you saturate the color by 10%, you get **27.7486, 35.5647, 70.3687**, and if you desaturate by 10%, it is **30.6247, 39.5641, 70.9891**.

Distribution



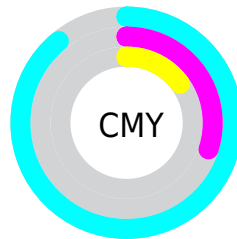
- Red (11%)
- Green (70%)
- Blue (85%)



- Red (11%)
- Yellow (44%)
- Blue (85%)



- Cyan (87%)
- Magenta (17%)
- Yellow (0%)
- Black (15%)



- Cyan (89%)
- Magenta (30%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9668, 37.4311, 70.6640 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 28.9668, 37.4311, 70.6640 by changing the saturation by 10% instead.

■ 28.9668, 37.4311,
70.6640

■ 28.9668, 37.4311,
70.6640

289.0553,
335.1732, 481.7300

■ 19.1999, 25.5414,
51.5879

■ 57.4223, 71.2353,
121.8452

■ 11.9196, 16.4809,
36.2967

■ 76.8415, 93.9187,
154.7873

■ 6.7608, 9.8651,
24.3719

■ 100.2089,
120.9687, 193.1885

■ 3.3580, 5.3096,
15.3950

■ 127.8897,
152.7699, 237.4674

■ 1.3458, 2.4300,
8.9474

■ 160.2495,
189.7065, 288.0424

■ 0.2171, 0.8413,
4.6105

197.6534,

■ 0.0000, 0.0000,

232.1630, 345.3322

1.9659

240.4669,
280.5238, 409.7552

■ 0.0000, 0.0000,
0.5342

■ 0.0000, 0.0000,
0.0000

■ 28.9668, 37.4311,
70.6640

■ 28.9668, 37.4311,
70.6640

■ 27.7486, 35.5647,
70.3687

■ 30.6247, 39.5641,
70.9891

■ 27.4751, 35.1185,
70.2970

■ 32.8051, 42.0047,
71.3452

■ 35.5726, 44.7873,
71.7365

■ 38.9813, 47.9400,
72.1653

■ 43.0791, 51.4878,
72.6342

■ 47.9091, 55.4534,
73.1450

■ 53.5107, 59.8572,
73.6998

■ 59.9206, 64.7186,
74.3003

■ 67.1729, 70.0555,
74.9482

Harmonies

Analogous

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



26.1420, 37.4311, 53.0121



28.9668, 37.4311, 70.6640



33.7850, 37.4311, 80.9757

Triad

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



28.9668, 37.4311, 70.6640



47.7235, 37.4311, 46.2035



31.8083, 37.4311, 17.6064

Complementary

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



28.9668, 37.4311, 70.6640



30.3521, 18.3479, 2.9802

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.



37.4316, 37.4311, 16.7069



28.9668, 37.4311, 70.6640



47.0465, 37.4311, 30.5516

Square

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



28.9668, 37.4311, 70.6640



44.8841, 37.4311, 64.5348



43.1236, 37.4311, 20.7619



27.6548, 37.4311, 23.6800

Rectangle

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



28.9668, 37.4311, 70.6640



37.6581, 37.4311, 80.8014



43.1236, 37.4311, 20.7619



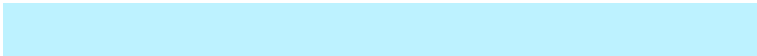
33.5743, 37.4311, 16.7678

Sweetspot

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



28.9681, 37.4324, 70.6649



70.7198, 81.5163, 106.6146



25.8693, 49.6899, 12.7379



14.5734, 16.9945, 22.7621



0.0000, 0.0000, 0.0000



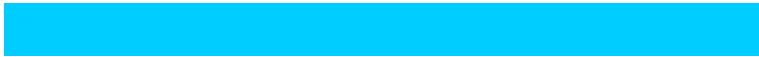
20.3446, 21.4041, 23.3091

Same Dimension

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



28.9681, 37.4324, 70.6649



39.8991, 50.9183, 102.3330



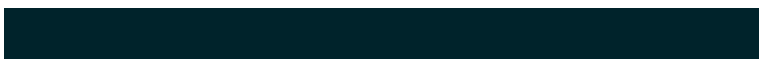
16.2450, 11.9863, 66.4239



12.5760, 13.6754, 15.9143



16.3390, 20.9398, 41.6338



1.0395, 1.3710, 2.5292

Inverse Universe

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



36.8487, 18.6389, 44.3046



52.2684, 25.6714, 60.0050



40.4325, 38.5087, 6.3404



12.8439, 12.5891, 15.1184



21.3060, 10.4587, 24.7134



1.3123, 0.6417, 1.6341

Previews

White Background



This preview shows how the XYZ color 28.9668, 37.4311, 70.6640 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 28.9668, 37.4311, 70.6640 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

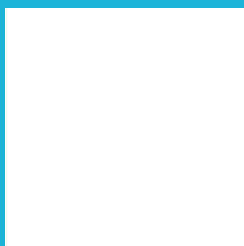
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9668, 37.4311, 70.6640

Background



This preview shows how black text looks on a background with the XYZ color 28.9668, 37.4311, 70.6640.

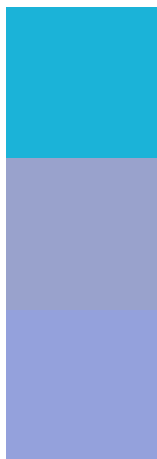


This preview shows how white text looks on a background with the XYZ color 28.9668, 37.4311,

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

28.9668, 37.4311, 70.6640

Protanopia

36.9563, 36.9726, 62.3154

Deuteranopia

37.8759, 36.9529, 72.8465



Tritanopia

26.6918, 37.4414, 58.0447

Trichromacy



Original Color

28.9668, 37.4311, 70.6640



Protanomaly

31.4512, 35.6851, 64.9048



Deuteranomaly

32.4977, 36.0628, 72.2658



Tritanomaly

27.4285, 37.4241, 62.2778

Monochromacy



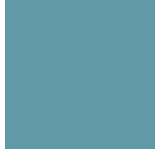
Original Color

28.9668, 37.4311, 70.6640



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

23.3112, 28.1323, 40.2778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9668, 37.4311, 70.6640 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(27, 179, 216)` looks like.

```
.text, #text, p{  
    color:rgb(27, 179, 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(27, 179, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 179, 216) }
```

Border

The CSS property to change the border of an element to XYZ 28.9668, 37.4311, 70.6640 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(27, 179, 216) }
```


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

```
.border{ border-color:rgb(27, 179, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 179, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 179, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 179, 216);  
box-shadow:4px 4px 4px 4px rgb(27, 179,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9668, 37.4311, 70.6640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 179, 216) }
```

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

```
.background{ background-color: rgb(27, 179,  
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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