

Converting Colors

XYZ(28.3151, 37.8968, 67.1908)

Have a look what the booklet for
XYZ(28.3151, 37.8968, 67.1908)
contains.

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Color

**XYZ(28.2817, 37.7509,
67.4241)**

Conversions

Conversions Part 1

Format	Color
Hex	00B5D3
RGB	0, 181, 211
RGB Percent	0%, 71%, 83%
CMY	0.9998, 0.2902, 0.1725
CMYK	1.00, 0.14, 0.00, 0.17
HSL	189°, 100%, 41%
HSV	189°, 100%, 83%
XYZ	28.2817, 37.7509, 67.4241
YIQ	130.3010, -117.5060, -29.0420

Conversions

Conversions Part 2

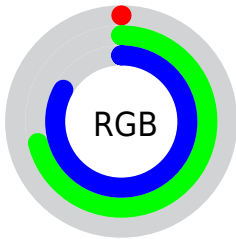
Format	Color
RYB	0, 97, 211
Decimal	46547
CIELab	67.84, -27.56, -25.92
CIELCh	68, 37.837, 223.248
Yxy	37.7509, 0.2119, 0.2829
Android (android.graphics.Color)	4278236627 (0xFF00B5D3)
YUV	130.3010, 39.7846, -114.2740
Hunter-Lab	61.4418, -25.3594, -22.0536

Details

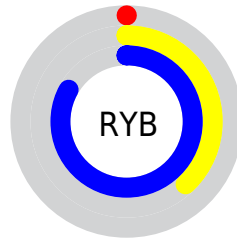
The XYZ color **28.2817, 37.7509, 67.4241** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **27.3299, 14.7799, 1.4136**, and the grayscale version is **21.2231, 22.3283, 24.3155**.

A 20% lighter version of the original color is **54.0431, 70.7314, 105.4119**, and **13.7199, 17.8386, 34.1726** is the 20% darker color. If you saturate the color by 10%, you get **28.2811, 37.7494, 67.4246**, and if you desaturate by 10%, it is **29.2114, 39.1464, 67.6452**.

Distribution



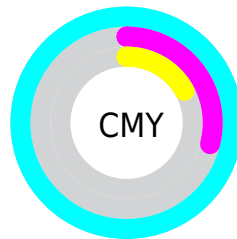
- Red (0%)
- Green (71%)
- Blue (83%)



- Red (0%)
- Yellow (38%)
- Blue (83%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (29%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2817, 37.7509, 67.4241 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 28.2817, 37.7509, 67.4241 by changing the saturation by 10% instead.

■ 28.2817, 37.7509,
67.4241

■ 28.2817, 37.7509,
67.4241

285.8663,
336.5502, 469.9954

■ 18.6797, 25.7894,
48.9656

■ 56.3394, 71.7262,
117.1743

■ 11.5417, 16.6662,
34.2268

■ 75.5257, 94.5087,
149.3031

■ 6.5024, 9.9968,
22.7891

■ 98.6375, 121.6671,
186.8257

■ 3.1964, 5.3968,
14.2340

■ 126.0402,
153.5857, 230.1607

■ 1.2585, 2.4819,
8.1430

■ 158.0990,
190.6490, 279.7267

■ 0.1518, 0.8676,
4.0975

195.1794,

■ 0.0000, 0.0000,

233.2412, 335.9421

1.6790

237.6467,
281.7468, 399.2255

■ 0.0000, 0.0000,
0.3463

■ 0.0000, 0.0000,
0.0000

■ 28.2817, 37.7509,
67.4241

■ 28.2817, 37.7509,
67.4241

■ 28.2811, 37.7494,
67.4246

■ 29.2114, 39.1464,
67.6452

■ 30.4939, 40.7427,
67.8857

■ 32.2443, 42.6000,
68.1520

■ 34.5250, 44.7505,
68.4468

■ 37.3889, 47.2216,
68.7729

■ 40.8823, 50.0374,
69.1322

■ 45.0466, 53.2192,
69.5269

■ 49.9198, 56.7868,
69.9587

■ 55.5371, 60.7584,
70.4292

Harmonies

Analogous

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



25.9904, 37.7509, 48.9542



28.2817, 37.7509, 67.4241



32.7296, 37.7509, 80.4081

Triad

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



28.2817, 37.7509, 67.4241



47.7919, 37.7509, 51.1275



33.3597, 37.7509, 17.0103

Complementary

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



28.2817, 37.7509, 67.4241



27.3299, 14.7799, 1.4136

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.



39.2287, 37.7509, 17.2955



28.2817, 37.7509, 67.4241



48.0081, 37.7509, 34.1419

Square

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



28.2817, 37.7509, 67.4241



44.1707, 37.7509, 69.3838



44.7327, 37.7509, 22.7176



28.6995, 37.7509, 21.7906

Rectangle

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



28.2817, 37.7509, 67.4241



36.5235, 37.7509, 82.4873



44.7327, 37.7509, 22.7176



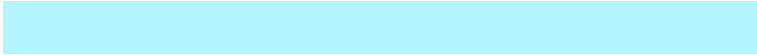
35.2463, 37.7509, 16.5659

Sweetspot

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



28.2829, 37.7522, 67.4250



68.9123, 81.5187, 106.7104



23.5068, 46.6741, 8.8795



14.1425, 16.9895, 22.7839



0.0000, 0.0000, 0.0000



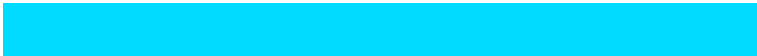
20.3446, 21.4041, 23.3091

Same Dimension

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



28.2829, 37.7522, 67.4250



43.3133, 57.7466, 103.4711



14.4402, 10.0667, 62.8108



12.0091, 13.1085, 15.1409



17.1248, 22.8963, 40.7093



0.9977, 1.3607, 2.2896

Inverse Universe

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



35.2055, 17.1863, 45.1791



53.9917, 26.3607, 69.0798



35.3414, 30.8028, 4.0841



12.2355, 11.9789, 14.5159



21.2746, 10.3827, 27.4157



1.2098, 0.5887, 1.6398

Previews

White Background



This preview shows how the XYZ color 28.2817, 37.7509, 67.4241 looks on a white background.

Color Contrast Check

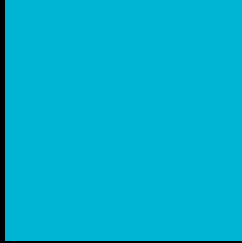
Large Text (above 18pt) WCAG AA × Fail

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 28.2817, 37.7509, 67.4241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

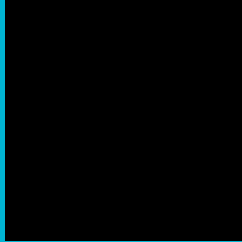
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.2817, 37.7509, 67.4241

Background



This preview shows how black text looks on a background with the XYZ color 28.2817, 37.7509, 67.4241.

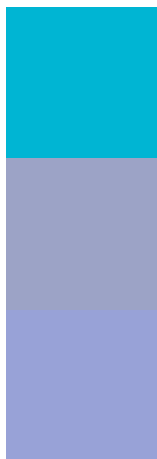


This preview shows how white text looks on a background with the XYZ color 28.2817, 37.7509,

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

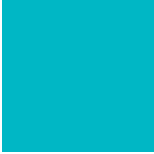
28.2817, 37.7509, 67.4241

Protanopia

37.0005, 37.3395, 58.6832

Deuteranopia

38.1350, 37.4224, 69.5033



Tritanopia

27.0115, 37.8982, 58.7147

Trichromacy



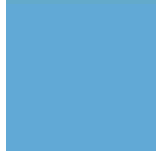
Original Color

28.2817, 37.7509, 67.4241



Protanomaly

30.2998, 35.7139, 61.7964



Deuteranomaly

31.2553, 35.7724, 68.8758



Tritanomaly

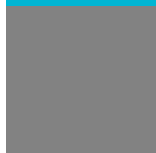
27.3886, 37.7202, 61.7143

Monochromacy



Original Color

28.2817, 37.7509, 67.4241



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

20.5727, 25.8371, 36.7036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2817, 37.7509, 67.4241 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, 181, 211)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 211)  
}
```

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, 181, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 211) }
```

Border

The CSS property to change the border of an element to XYZ 28.2817, 37.7509, 67.4241 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, 181, 211) }
```


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

```
.border{ border-color:rgb(0, 181, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 211);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2817, 37.7509, 67.4241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 211) }
```

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

```
.background{ background-color: rgb(0, 181,  
211) }
```

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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