

Converting Colors

XYZ(27.9884, 37.5617, 68.4052)

Have a look what the booklet for
XYZ(27.9884, 37.5617, 68.4052)
contains.

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Color

**XYZ(28.5341, 37.8518,
68.7530)**

Conversions

Conversions Part 1

Format	Color
Hex	00B5D5
RGB	0, 181, 213
RGB Percent	0%, 71%, 84%
CMY	0.9998, 0.2902, 0.1647
CMYK	1.00, 0.15, 0.00, 0.16
HSL	189°, 100%, 42%
HSV	189°, 100%, 84%
XYZ	28.5341, 37.8518, 68.7530
YIQ	130.5290, -118.1480, -28.4200

Conversions

Conversions Part 2

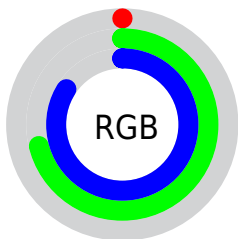
Format	Color
RYB	0, 98, 213
Decimal	46549
CIELab	67.91, -26.89, -26.91
CIELCh	68, 38.042, 225.018
Yxy	37.8518, 0.2111, 0.2801
Android (android.graphics.Color)	4278236629 (0xFF00B5D5)
YUV	130.5290, 40.6582, -114.4739
Hunter-Lab	61.5238, -24.8803, -23.1900

Details

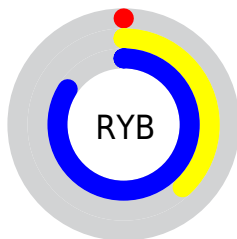
The XYZ color **28.5341, 37.8518, 68.7530** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **27.9591, 15.1822, 1.4583**, and the grayscale version is **21.3017, 22.4110, 24.4056**.

A 20% lighter version of the original color is **54.1599, 70.7916, 105.4174**, and **13.8907, 17.9070, 35.0720** is the 20% darker color. If you saturate the color by 10%, you get **28.5331, 37.8496, 68.7534**, and if you desaturate by 10%, it is **29.5098, 39.3328, 68.9882**.

Distribution



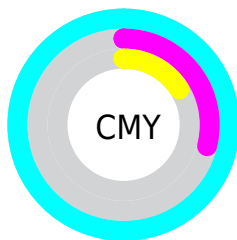
- Red (0%)
- Green (71%)
- Blue (84%)



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



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (29%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5341, 37.8518, 68.7530 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 28.5341, 37.8518, 68.7530 by changing the saturation by 10% instead.

■ 28.5341, 37.8518,
68.7530

■ 28.5341, 37.8518,
68.7530

287.0443,
336.9838, 474.8297

■ 18.8712, 25.8677,
50.0401

■ 56.7387, 71.8809,
119.0931

■ 11.6807, 16.7247,
35.0738

■ 76.0112, 94.6947,
151.5573

■ 6.5973, 10.0384,
23.4357

■ 99.2174, 121.8872,
189.4424

■ 3.2556, 5.4244,
14.7073

■ 126.7229,
153.8428, 233.1669

■ 1.2903, 2.4984,
8.4699

■ 158.8930,
190.9459, 283.1494

■ 0.1760, 0.8758,
4.3050

196.0931,

■ 0.0000, 0.0000,

233.5808, 339.8083

1.7941

238.6884,
282.1320, 403.5622

■ 0.0000, 0.0000,
0.4241

■ 0.0000, 0.0000,
0.0000

■ 28.5341, 37.8518,
68.7530

■ 28.5341, 37.8518,
68.7530

■ 28.5331, 37.8496,
68.7534

■ 29.5098, 39.3328,
68.9882

■ 30.8482, 41.0224,
69.2438

■ 32.6662, 42.9817,
69.5261

■ 35.0280, 45.2441,
69.8383

■ 37.9876, 47.8373,
70.1829

■ 41.5924, 50.7861,
70.5621

■ 45.8848, 54.1124,
70.9779

■ 50.9038, 57.8365,
71.4322

■ 56.6853, 61.9769,
71.9266

Harmonies

Analogous

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



26.0886, 37.8518, 50.2256



28.5341, 37.8518, 68.7530



33.1213, 37.8518, 81.2740

Triad

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



28.5341, 37.8518, 68.7530



48.0953, 37.8518, 50.2035



33.1149, 37.8518, 17.1126

Complementary

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



28.5341, 37.8518, 68.7530



27.9591, 15.1822, 1.4583

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.



38.9923, 37.8518, 17.1097



28.5341, 37.8518, 68.7530



48.0931, 37.8518, 33.3507

Square

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



28.5341, 37.8518, 68.7530



44.6189, 37.8518, 68.7331



44.6132, 37.8518, 22.2297



28.5299, 37.8518, 22.2391

Rectangle

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



28.5341, 37.8518, 68.7530



36.9791, 37.8518, 82.8259



44.6132, 37.8518, 22.2297



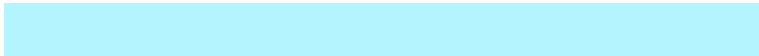
34.9932, 37.8518, 16.5697

Sweetspot

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



28.5354, 37.8531, 68.7539



68.7269, 81.1479, 106.6486



24.0558, 47.6936, 9.3040



14.0976, 16.8997, 22.7689



0.0000, 0.0000, 0.0000



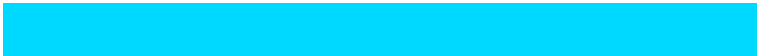
20.3446, 21.4041, 23.3091

Same Dimension

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



28.5354, 37.8531, 68.7539



42.7811, 56.6821, 103.2937



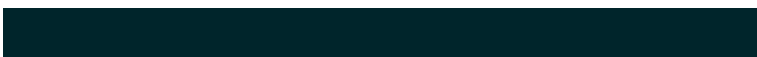
14.4990, 9.7804, 64.0751



12.6258, 13.7750, 15.9309



17.4889, 23.2396, 42.0171



1.0990, 1.4900, 2.5490

Inverse Universe

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



35.7822, 17.4837, 45.2060



53.7231, 26.2532, 67.6651



36.5971, 32.4582, 4.3377



12.8691, 12.5991, 15.2508



21.8864, 10.6909, 27.7698



1.3424, 0.6537, 1.7922

Previews

White Background



This preview shows how the XYZ color 28.5341, 37.8518, 68.7530 looks on a white background.

Color Contrast Check

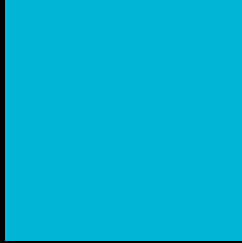
Large Text (above 18pt) WCAG AA × Fail

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 28.5341, 37.8518, 68.7530 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 28.5341, 37.8518, 68.7530

Background



This preview shows how black text looks on a background with the XYZ color 28.5341, 37.8518, 68.7530.



This preview shows how white text looks on a background with the XYZ color 28.5341, 37.8518,

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

28.5341, 37.8518, 68.7530

Protanopia

37.2328, 37.4324, 59.9064

Deuteranopia

38.2072, 37.4297, 70.8566



Tritanopia

27.0115, 37.8982, 58.7147

Trichromacy



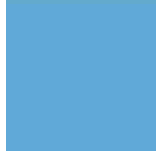
Original Color

28.5341, 37.8518, 68.7530



Protanomaly

30.5398, 35.8099, 63.0600



Deuteranomaly

31.4065, 35.8206, 70.2245



Tritanomaly

27.5074, 37.7677, 62.3400

Monochromacy



Original Color

28.5341, 37.8518, 68.7530



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

20.7477, 25.9071, 37.6253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5341, 37.8518, 68.7530 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 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, 181, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 213) }
```

Border

The CSS property to change the border of an element to XYZ 28.5341, 37.8518, 68.7530 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, 213) }
```


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

```
.border{ border-color:rgb(0, 181, 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, 181, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5341, 37.8518, 68.7530 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, 213) }
```

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

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