

Converting Colors

XYZ(13.7689, 30.8719, 60.8829)

Have a look what the booklet for
XYZ(13.7689, 30.8719, 60.8829)
contains.

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Color

**XYZ(27.5942, 38.1312,
61.7828)**

Conversions

Conversions Part 1

Format	Color
Hex	00B7CA
RGB	0, 183, 202
RGB Percent	0%, 72%, 79%
CMY	0.9998, 0.2823, 0.2078
CMYK	1.00, 0.09, 0.00, 0.21
HSL	186°, 100%, 40%
HSV	186°, 100%, 79%
XYZ	27.5942, 38.1312, 61.7828
YIQ	130.4490, -115.1670, -32.8870

Conversions

Conversions Part 2

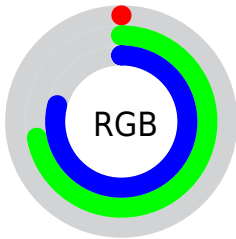
Format	Color
RYB	0, 96, 202
Decimal	47050
CIELab	68.12, -31.50, -20.55
CIELCh	68, 37.606, 213.119
Yxy	38.1312, 0.2164, 0.2990
Android (android.graphics.Color)	4278237130 (0xFF00B7CA)
YUV	130.4490, 35.2746, -114.4038
Hunter-Lab	61.7505, -28.2977, -16.0957

Details

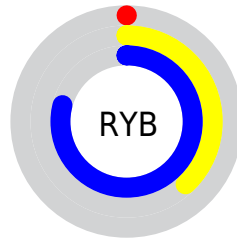
The XYZ color **27.5942, 38.1312, 61.7828** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **24.5915, 13.0243, 1.2193**, and the grayscale version is **21.2911, 22.3999, 24.3935**.

A 20% lighter version of the original color is **54.5100, 71.8366, 105.6006**, and **13.1956, 17.8386, 30.7647** is the 20% darker color. If you saturate the color by 10%, you get **27.5938, 38.1302, 61.7834**, and if you desaturate by 10%, it is **28.2831, 39.0729, 61.9290**.

Distribution



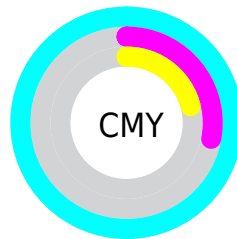
- Red (0%)
- Green (72%)
- Blue (79%)



- Red (0%)
- Yellow (38%)
- Blue (79%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (28%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5942, 38.1312, 61.7828 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 27.5942, 38.1312, 61.7828 by changing the saturation by 10% instead.

27.5942, 38.1312,
61.7828

27.5942, 38.1312,
61.7828

282.6381,
338.1824, 449.1241

18.1589, 26.0845,
44.4226

55.2491, 72.3092,
108.9801

11.1645, 16.8869,
30.6632

74.1994, 95.2093,
139.6543

6.2457, 10.1539,
20.0862

97.0520, 122.4960,
175.6035

3.0371, 5.5011,
12.2730

124.1724,
154.5537, 217.2462

1.1734, 2.5442,
6.8051

155.9258,
191.7668, 265.0012

0.0852, 0.8987,
3.2639

192.6777,

0.0000, 0.0000,

234.5197, 319.2868

1.2309

234.7933,
283.1968, 380.5216

■ 0.0000, 0.0000,
0.0042

■ 0.0000, 0.0000,
0.0000

■ 27.5942, 38.1312,
61.7828

■ 27.5942, 38.1312,
61.7828

■ 27.5938, 38.1302,
61.7834

■ 28.2831, 39.0729,
61.9290

■ 29.2821, 40.1817,
62.0904

■ 30.6978, 41.5132,
62.2727

■ 32.5860, 43.0962,
62.4788

■ 34.9941, 44.9551,
62.7107

■ 37.9634, 47.1115,
62.9704

■ 41.5313, 49.5844,
63.2597

■ 45.7317, 52.3915,
63.5801

■ 50.5963, 55.5491,
63.9332

Harmonies

Analogous

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



26.1080, 38.1312, 43.3004



27.5942, 38.1312, 61.7828



31.3790, 38.1312, 77.5017

Triad

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



27.5942, 38.1312, 61.7828



47.2604, 38.1312, 57.9002



35.6325, 38.1312, 16.8984

Complementary

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



27.5942, 38.1312, 61.7828



24.5915, 13.0243, 1.2193

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.



41.5843, 38.1312, 18.8601



27.5942, 38.1312, 61.7828



48.7095, 38.1312, 39.7859

Square

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



27.5942, 38.1312, 61.7828



42.7599, 38.1312, 74.8682



46.5319, 38.1312, 26.2541



30.4236, 38.1312, 19.9176

Rectangle

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



27.5942, 38.1312, 61.7828



34.9081, 38.1312, 82.5454



46.5319, 38.1312, 26.2541



37.6106, 38.1312, 17.0001

Sweetspot

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



27.5954, 38.1326, 61.7837



70.0319, 83.7580, 107.0836



21.2217, 42.2820, 7.5682



14.4140, 17.5324, 22.8743



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.



27.5954, 38.1326, 61.7837



46.6288, 64.3776, 104.5763



13.8471, 10.6360, 57.2010



11.4496, 12.5395, 14.3873



17.7914, 24.6067, 39.7681



0.9447, 1.3232, 2.0606

Inverse Universe

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



32.9055, 15.9768, 46.1505



55.6652, 27.0301, 77.8923



30.8192, 25.4797, 3.2952



11.6403, 11.3848, 13.9063



21.1912, 10.2871, 29.7890



1.1068, 0.5361, 1.6083

Previews

White Background



This preview shows how the XYZ color 27.5942, 38.1312, 61.7828 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 27.5942, 38.1312, 61.7828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

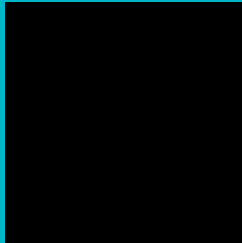
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

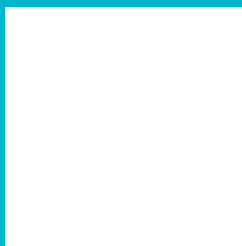
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.5942, 38.1312, 61.7828

Background



This preview shows how black text looks on a background with the XYZ color 27.5942, 38.1312, 61.7828.

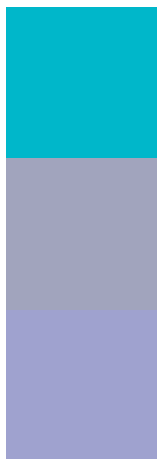


This preview shows how white text looks on a background with the XYZ color 27.5942, 38.1312,

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

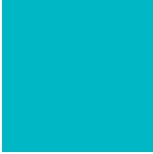
27.5942, 38.1312, 61.7828

Protanopia

37.1587, 37.8021, 53.4822

Deuteranopia

38.4809, 37.7166, 64.2834



Tritanopia

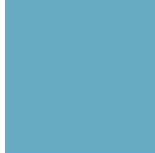
27.1265, 37.9442, 59.3203

Trichromacy



Original Color

27.5942, 38.1312, 61.7828



Protanomaly

29.7800, 35.8456, 56.3883



Deuteranomaly

30.7610, 35.9239, 63.0703



Tritanomaly

27.2423, 37.9905, 59.9299

Monochromacy



Original Color

27.5942, 38.1312, 61.7828



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

20.3155, 25.7342, 35.3489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5942, 38.1312, 61.7828 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, 183, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 202)  
}
```

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, 183, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 202) }
```

Border

The CSS property to change the border of an element to XYZ 27.5942, 38.1312, 61.7828 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, 183, 202) }
```


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

```
.border{ border-color:rgb(0, 183, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 183, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5942, 38.1312, 61.7828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 202) }
```

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

```
.background{ background-color: rgb(0, 183,  
202) }
```

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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