

Converting Colors

XYZ(28.8280, 38.7259, 63.7131)

Have a look what the booklet for
XYZ(28.8280, 38.7259, 63.7131)
contains.

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Color

**XYZ(28.8280, 38.7259,
63.7131)**

Conversions

Conversions Part 1

Format	Color
Hex	28B7CD
RGB	40, 183, 205
RGB Percent	16%, 72%, 80%
CMY	0.8431, 0.2823, 0.1961
CMYK	0.80, 0.11, 0.00, 0.20
HSL	188°, 67%, 48%
HSV	188°, 80%, 80%
XYZ	28.8280, 38.7259, 63.7131
YIQ	142.7510, -92.2900, -23.4740

Conversions

Conversions Part 2

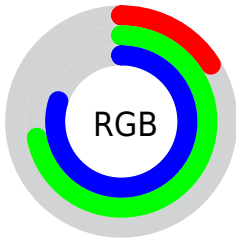
Format	Color
RYB	40, 117, 205
Decimal	2668493
CIELab	68.55, -28.51, -21.50
CIElCh	69, 35.710, 217.026
Yxy	38.7259, 0.2196, 0.2950
Android (android.graphics.Color)	4280858573 (0xFF28B7CD)
YUV	142.7510, 30.6888, -90.1126
Hunter-Lab	62.2301, -26.2129, -17.1418

Details

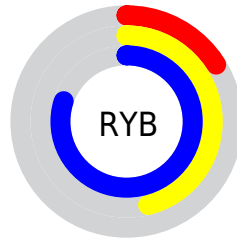
The XYZ color **28.8280, 38.7259, 63.7131** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **27.2837, 16.5792, 3.7708**, and the grayscale version is **25.9193, 27.2691, 29.6961**.

A 20% lighter version of the original color is **55.9867, 72.5978, 105.6697**, and **13.5685, 18.1996, 32.0759** is the 20% darker color. If you saturate the color by 10%, you get **27.6740, 37.3029, 63.5000**, and if you desaturate by 10%, it is **30.4176, 40.3913, 63.9515**.

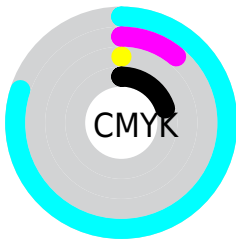
Distribution



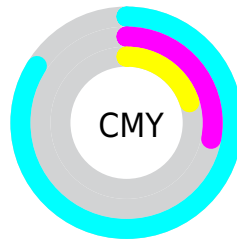
- Red (16%)
- Green (72%)
- Blue (80%)



- Red (16%)
- Yellow (46%)
- Blue (80%)



- Cyan (80%)
- Magenta (11%)
- Yellow (0%)
- Black (20%)



- Cyan (84%)
- Magenta (28%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8280, 38.7259, 63.7131 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 28.8280, 38.7259, 63.7131 by changing the saturation by 10% instead.

■ 28.8280, 38.7259,
63.7131

■ 28.8280, 38.7259,
63.7131

288.4114,
340.7237, 456.3318

■ 19.0944, 26.5466,
45.9736

■ 57.2032, 73.2194,
111.7931

■ 11.8429, 17.2330,
31.8765

■ 76.5754, 96.3024,
142.9708

■ 6.7082, 10.4007,
21.0032

■ 99.8912, 123.7886,
179.4650

■ 3.3250, 5.6655,
12.9350

■ 127.5160,
156.0626, 221.6941

■ 1.3279, 2.6427,
7.2536

■ 159.8150,
193.5087, 270.0769

■ 0.2039, 0.9482,
3.5404

197.1537,

■ 0.0000, 0.0000,

236.5114, 325.0317

1.3767

239.8974,
285.4549, 386.9772

■ 0.0000, 0.0000,
0.1235

■ 0.0000, 0.0000,
0.0000

■ 28.8280, 38.7259,
63.7131

■ 28.8280, 38.7259,
63.7131

■ 27.6740, 37.3029,
63.5000

■ 30.4176, 40.3913,
63.9515

■ 26.8739, 36.1164,
63.3132

■ 32.4978, 42.3251,
64.2151

■ 35.1193, 44.5544,
64.5073

■ 38.3253, 47.1016,
64.8300

■ 42.1547, 49.9868,
65.1850

■ 46.6431, 53.2284,
65.5742

■ 51.8232, 56.8434,
65.9989

■ 57.7257, 60.8476,
66.4607

■ 64.3792, 65.2560,
66.9609

Harmonies

Analogous

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



27.0799, 38.7259, 46.0710



28.8280, 38.7259, 63.7131



32.7443, 38.7259, 77.6123

Triad

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



28.8280, 38.7259, 63.7131



47.6948, 38.7259, 55.4533



35.5001, 38.7259, 18.2831

Complementary

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



28.8280, 38.7259, 63.7131



27.2837, 16.5792, 3.7708

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.



41.1943, 38.7259, 19.5876



28.8280, 38.7259, 63.7131



48.6242, 38.7259, 38.4880

Square

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



28.8280, 38.7259, 63.7131



43.7151, 38.7259, 72.0574



46.1390, 38.7259, 26.1236



30.6693, 38.7259, 21.9502

Rectangle

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



28.8280, 38.7259, 63.7131



36.2494, 38.7259, 81.2977



46.1390, 38.7259, 26.1236



37.3720, 38.7259, 18.1739

Sweetspot

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



28.8292, 38.7273, 63.7140



73.4587, 85.0865, 107.1594



23.5771, 44.4626, 11.8987



15.1609, 17.8049, 22.8876



0.0000, 0.0000, 0.0000



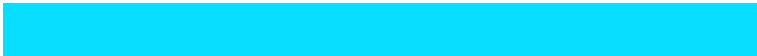
20.3446, 21.4041, 23.3091

Same Dimension

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



28.8292, 38.7273, 63.7140



44.2722, 59.5223, 103.7633



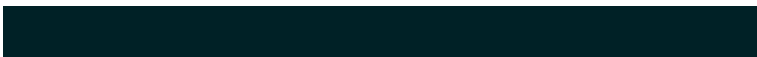
16.5014, 14.0716, 59.6048



11.4108, 12.4619, 14.3744



16.7803, 22.5846, 39.4311



0.9019, 1.2376, 2.0463

Inverse Universe

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



34.4840, 17.9168, 46.4420



54.5105, 26.7010, 71.4018



35.6105, 33.2327, 6.5464



11.6207, 11.3770, 13.8031



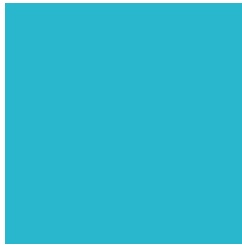
20.6808, 10.0829, 27.1016



1.0852, 0.5275, 1.4945

Previews

White Background



This preview shows how the XYZ color 28.8280, 38.7259, 63.7131 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 28.8280, 38.7259, 63.7131 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

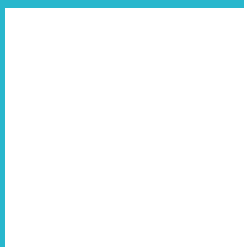
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8280, 38.7259, 63.7131

Background



This preview shows how black text looks on a background with the XYZ color 28.8280, 38.7259, 63.7131.



This preview shows how white text looks on a background with the XYZ color 28.8280, 38.7259,

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

28.8280, 38.7259, 63.7131

Protanopia

37.7787, 38.3376, 55.8608

Deuteranopia

39.0281, 38.2185, 66.2927



Tritanopia

28.0765, 38.7278, 60.0283

Trichromacy



Original Color

28.8280, 38.7259, 63.7131



Protanomaly

32.1667, 37.3182, 58.3311



Deuteranomaly

32.9624, 37.0165, 65.0821



Tritanomaly

28.4107, 38.8731, 61.2642

Monochromacy



Original Color

28.8280, 38.7259, 63.7131



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

25.0537, 30.2711, 40.5988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8280, 38.7259, 63.7131 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(40, 183, 205)` looks like.

```
.text, #text, p{  
    color:rgb(40, 183, 205)  
}
```

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(40, 183, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 183, 205) }
```

Border

The CSS property to change the border of an element to XYZ 28.8280, 38.7259, 63.7131 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(40, 183, 205) }
```


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

```
.border{ border-color:rgb(40, 183, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 183, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 183, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 183, 205);  
box-shadow:4px 4px 4px 4px rgb(40, 183,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8280, 38.7259, 63.7131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 183, 205) }
```

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

```
.background{ background-color: rgb(40, 183,  
205) }
```

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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