

Converting Colors

XYZ(28.7748, 40.7935, 57.4752)

Have a look what the booklet for
XYZ(28.7748, 40.7935, 57.4752)
contains.

XYZ(28.6981, 40.6835, 57.3791)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.6981, 40.6835,
57.3791)**

Conversions

Conversions Part 1

Format	Color
Hex	25BDC2
RGB	37, 189, 194
RGB Percent	15%, 74%, 76%
CMY	0.8549, 0.2588, 0.2392
CMYK	0.81, 0.03, 0.00, 0.24
HSL	182°, 68%, 45%
HSV	182°, 81%, 76%
XYZ	28.6981, 40.6835, 57.3791
YIQ	144.1220, -92.1970, -30.6690

Conversions

Conversions Part 2

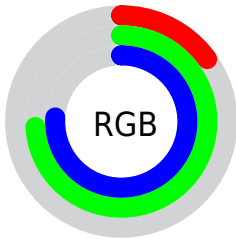
Format	Color
RYB	37, 114, 194
Decimal	2473410
CIELab	69.95, -35.05, -13.35
CIELCh	70, 37.511, 200.848
Yxy	40.6835, 0.2264, 0.3209
Android (android.graphics.Color)	4280663490 (0xFF25BDC2)
YUV	144.1220, 24.5899, -93.9460
Hunter-Lab	63.7836, -31.3090, -8.6882

Details

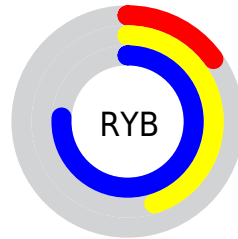
The XYZ color **28.6981, 40.6835, 57.3791** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **23.4110, 13.2599, 3.0769**, and the grayscale version is **26.4911, 27.8707, 30.3511**.

A 20% lighter version of the original color is **57.0211, 76.3244, 102.1692**, and **13.3976, 19.2214, 27.8149** is the 20% darker color. If you saturate the color by 10%, you get **28.0456, 40.1512, 57.3115**, and if you desaturate by 10%, it is **29.7232, 41.4105, 57.4662**.

Distribution



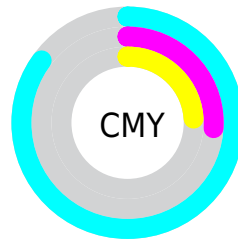
- Red (15%)
- Green (74%)
- Blue (76%)



- Red (15%)
- Yellow (45%)
- Blue (76%)



- Cyan (81%)
- Magenta (3%)
- Yellow (0%)
- Black (24%)





- Cyan (85%)
- Magenta (26%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6981, 40.6835, 57.3791 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 28.6981, 40.6835, 57.3791 by changing the saturation by 10% instead.


 28.6981, 40.6835,
57.3791


 28.6981, 40.6835,
57.3791


287.8078,
348.9961, 432.4018


 18.9957, 28.0719,
40.8983


 56.9980, 76.2032,
102.5240


 11.7712, 18.3798,
27.9205


 76.3261, 99.8801,
132.0251


 6.6591, 11.2230,
18.0272


 99.5936, 128.0141,
166.7034

 3.2943, 6.2171,
10.7999

 127.1657,
160.9897, 206.9775

 1.3112, 2.9775,
5.8200

 159.4078,
199.1914, 253.2658

 0.1916, 1.1200,
2.6689

196.6853,

 0.0000, 0.0000,

243.0034, 305.9869

0.9277

239.3635,
292.8101, 365.5594

■ 0.0000, 0.0000,
0.0000

■ 28.6981, 40.6835,
57.3791

■ 28.6981, 40.6835,
57.3791

■ 28.0456, 40.1512,
57.3115

■ 29.7232, 41.4105,
57.4662

■ 27.6834, 39.7865,
57.2602

■ 31.1685, 42.3541,
57.5721

■ 33.0787, 43.5382,
57.7000

■ 35.4915, 44.9823,
57.8516

■ 38.4412, 46.7039,
58.0284

■ 41.9586, 48.7191,
58.2320

■ 46.0725, 51.0427,
58.4636

■ 50.8097, 53.6884,
58.7246

■ 56.1952, 56.6692,
59.0161

Harmonies

Analogous

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



28.1933, 40.6835, 39.1597



28.6981, 40.6835, 57.3791



31.7167, 40.6835, 75.8369

Triad

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



28.6981, 40.6835, 57.3791



48.5102, 40.6835, 69.1102



40.5668, 40.6835, 18.6960

Complementary

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



28.6981, 40.6835, 57.3791



23.4110, 13.2599, 3.0769

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.



46.5682, 40.6835, 22.9978



28.6981, 40.6835, 57.3791



51.4617, 40.6835, 49.8660

Square

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



28.6981, 40.6835, 57.3791



43.0008, 40.6835, 83.7542



50.7159, 40.6835, 33.3724



34.6373, 40.6835, 19.7120

Rectangle

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



28.6981, 40.6835, 57.3791



34.9417, 40.6835, 84.2758



50.7159, 40.6835, 33.3724



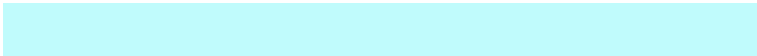
42.6512, 40.6835, 19.5143

Sweetspot

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



28.6993, 40.6850, 57.3801



73.6931, 86.9407, 105.3670



20.4322, 39.1284, 8.4503



15.6333, 18.7498, 23.0451



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.



28.6993, 40.6850, 57.3801



50.2844, 72.2007, 103.7557



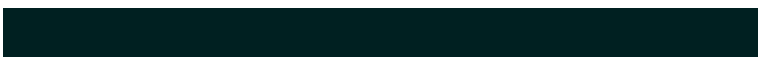
16.3941, 16.0746, 53.2783



10.3402, 11.3716, 12.9348



18.2127, 26.1820, 37.6503



0.7957, 1.1488, 1.6297

Inverse Universe

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



32.0960, 16.4677, 49.6326



56.8187, 27.5154, 88.4250



29.0756, 24.5892, 4.9651



10.4830, 10.2418, 12.6340



20.5889, 9.9253, 32.0770



0.8940, 0.4306, 1.4092

Previews

White Background



This preview shows how the XYZ color 28.6981, 40.6835, 57.3791 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 28.6981, 40.6835, 57.3791 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

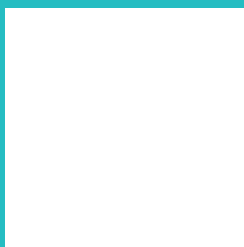
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.6981, 40.6835, 57.3791

Background



This preview shows how black text looks on a background with the XYZ color 28.6981, 40.6835, 57.3791.

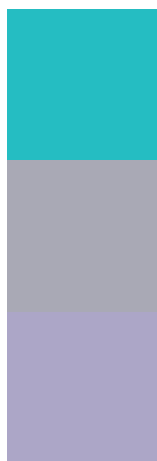


This preview shows how white text looks on a background with the XYZ color 28.6981, 40.6835,

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

28.6981, 40.6835, 57.3791

Protanopia

38.8906, 40.1471, 49.4155

Deuteranopia

40.9583, 40.1666, 59.6270



Tritanopia

29.8894, 40.8591, 62.8112

Trichromacy



Original Color

28.6981, 40.6835, 57.3791



Protanomaly

32.2734, 38.6608, 52.2157



Deuteranomaly

33.3825, 38.5143, 58.4979



Tritanomaly

29.4048, 40.6502, 60.9401

Monochromacy



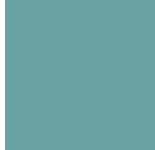
Original Color

28.6981, 40.6835, 57.3791



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.9181, 30.7535, 38.8051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6981, 40.6835, 57.3791 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(37, 189, 194)` looks like.

```
.text, #text, p{  
    color:rgb(37, 189, 194)  
}
```

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(37, 189, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 189, 194) }
```

Border

The CSS property to change the border of an element to XYZ 28.6981, 40.6835, 57.3791 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(37, 189, 194) }
```


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

```
.border{ border-color:rgb(37, 189, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 189, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 189, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 189, 194);  
box-shadow:4px 4px 4px 4px rgb(37, 189,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6981, 40.6835, 57.3791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 189, 194) }
```

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

```
.background{ background-color: rgb(37, 189,  
194) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor