

Converting Colors

XYZ(16.7656, 34.1118, 61.2174)

Have a look what the booklet for
XYZ(16.7656, 34.1118, 61.2174)
contains.

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Color

**XYZ(28.5258, 40.1835,
61.5111)**

Conversions

Conversions Part 1

Format	Color
Hex	00BCC9
RGB	0, 188, 201
RGB Percent	0%, 74%, 79%
CMY	0.9998, 0.2627, 0.2118
CMYK	1.00, 0.06, 0.00, 0.21
HSL	184°, 100%, 39%
HSV	184°, 100%, 79%
XYZ	28.5258, 40.1835, 61.5111
YIQ	133.2700, -116.2210, -35.8130

Conversions

Conversions Part 2

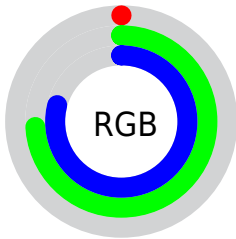
Format	Color
RYB	0, 97, 201
Decimal	48329
CIELab	69.60, -34.20, -17.75
CIELCh	70, 38.534, 207.424
Yxy	40.1835, 0.2191, 0.3086
Android (android.graphics.Color)	4278238409 (0xFF00BCC9)
YUV	133.2700, 33.3909, -116.8778
Hunter-Lab	63.3905, -30.6080, -13.1589

Details

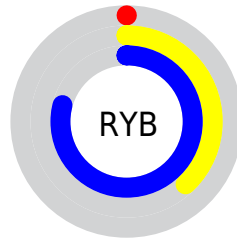
The XYZ color **28.5258, 40.1835, 61.5111** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **24.2324, 12.7066, 1.1766**, and the grayscale version is **22.3099, 23.4717, 25.5607**.

A 20% lighter version of the original color is **56.4113, 75.4679, 106.2013**, and **13.7916, 19.1568, 30.5745** is the 20% darker color. If you saturate the color by 10%, you get **28.5260, 40.1836, 61.5119**, and if you desaturate by 10%, it is **29.0969, 40.8929, 61.6187**.

Distribution



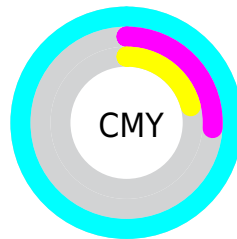
- Red (0%)
- Green (74%)
- Blue (79%)



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



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (21%)





- Cyan (100%)
- Magenta (26%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5258, 40.1835, 61.5111 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 28.5258, 40.1835, 61.5111 by changing the saturation by 10% instead.


 28.5258, 40.1835,
61.5111


 28.5258, 40.1835,
61.5111


287.0057,
346.8964, 448.1038


 18.8649, 27.6816,
44.2045


 56.7256, 75.4429,
108.5834


 11.6761, 18.0858,
30.4930


 75.9952, 98.9692,
139.1861

 6.5942, 11.0116,
19.9578


 99.1984, 126.9391,
175.0580

 3.2537, 6.0747,
12.1806

 126.7005,
159.7369, 216.6177

 1.2893, 2.8905,
6.7428

 158.8670,
197.7472, 264.2835

 0.1752, 1.0748,
3.2258

196.0631,

 0.0000, 0.0000,

241.3543, 318.4741

1.2110

238.6542,
290.9426, 379.6080

■ 0.0000, 0.0000,
0.0000

■ 28.5258, 40.1835,
61.5111

■ 28.5258, 40.1835,
61.5111

■ 28.5260, 40.1836,
61.5119

■ 29.0969, 40.8929,
61.6187

■ 29.9715, 41.7617,
61.7403

■ 31.2552, 42.8451,
61.8817

■ 33.0032, 44.1716,
62.0457

■ 35.2622, 45.7653,
62.2342

■ 38.0732, 47.6473,
62.4493

■ 41.4729, 49.8366,
62.6927

■ 45.4950, 52.3505,
62.9660

■ 50.1706, 55.2051,
63.2705

Harmonies

Analogous

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



27.4428, 40.1835, 42.2306



28.5258, 40.1835, 61.5111



32.1058, 40.1835, 79.4519

Triad

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



28.5258, 40.1835, 61.5111



49.1904, 40.1835, 64.9206



38.7336, 40.1835, 17.6703

Complementary

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



28.5258, 40.1835, 61.5111



24.2324, 12.7066, 1.1766

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.



45.0052, 40.1835, 20.7618



28.5258, 40.1835, 61.5111



51.4380, 40.1835, 45.3116

Square

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



28.5258, 40.1835, 61.5111



43.9739, 40.1835, 81.7669



49.8299, 40.1835, 29.7910



32.9427, 40.1835, 19.8387

Rectangle

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



28.5258, 40.1835, 61.5111



35.6465, 40.1835, 86.4491



49.8299, 40.1835, 29.7910



40.8584, 40.1835, 18.1041

Sweetspot

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



28.5271, 40.1850, 61.5121



70.7268, 85.1477, 107.3152



20.9427, 41.7963, 7.2534



14.5828, 17.8701, 22.9306



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.



28.5271, 40.1850, 61.5121



48.7721, 68.6642, 105.2907



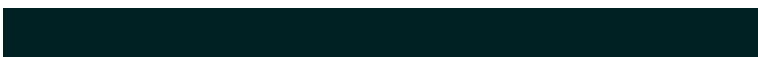
14.2394, 11.6096, 56.7495



10.8857, 11.9455, 13.6495



17.9618, 25.3176, 38.6845



0.8686, 1.2351, 1.8378

Inverse Universe

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



33.1656, 16.0495, 48.9283



56.7471, 27.4628, 83.5893



29.7254, 23.6927, 3.0076



11.0523, 10.8043, 13.2589



20.8656, 10.0958, 30.8320



0.9971, 0.4817, 1.5081

Previews

White Background



This preview shows how the XYZ color 28.5258, 40.1835, 61.5111 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 28.5258, 40.1835, 61.5111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

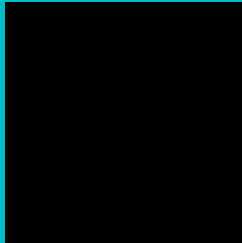
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

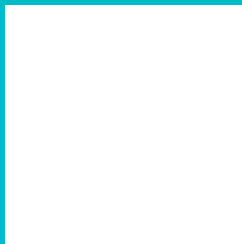
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.5258, 40.1835, 61.5111

Background



This preview shows how black text looks on a background with the XYZ color 28.5258, 40.1835, 61.5111.



This preview shows how white text looks on a background with the XYZ color 28.5258, 40.1835,

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

28.5258, 40.1835, 61.5111

Protanopia

38.8056, 39.7431, 53.2029

Deuteranopia

40.5321, 39.5820, 63.8963



Tritanopia

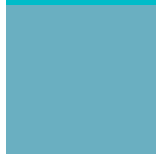
28.9597, 40.3798, 62.7677

Trichromacy



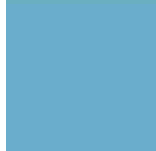
Original Color

28.5258, 40.1835, 61.5111



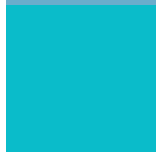
Protanomaly

30.8995, 37.5744, 56.0761



Deuteranomaly

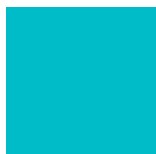
31.7865, 37.3109, 62.6531



Tritanomaly

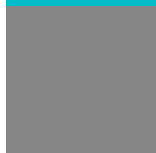
28.7691, 40.2952, 62.1386

Monochromacy



Original Color

28.5258, 40.1835, 61.5111



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

21.3091, 27.1824, 36.4714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5258, 40.1835, 61.5111 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, 188, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 201)  
}
```

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, 188, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 201) }
```

Border

The CSS property to change the border of an element to XYZ 28.5258, 40.1835, 61.5111 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, 188, 201) }
```


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

```
.border{ border-color:rgb(0, 188, 201) }
```

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

Here you see how a box with a 4 pixel rgb(0, 188, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5258, 40.1835, 61.5111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 201) }
```

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

```
.background{ background-color: rgb(0, 188,  
201) }
```

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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