

Converting Colors

XYZ(15.1016, 33.0302, 61.7892)

Have a look what the booklet for
XYZ(15.1016, 33.0302, 61.7892)
contains.

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Color

**XYZ(28.5498, 39.8524,
62.6875)**

Conversions

Conversions Part 1

Format	Color
Hex	00BBCB
RGB	0, 187, 203
RGB Percent	0%, 73%, 80%
CMY	0.9998, 0.2667, 0.2039
CMYK	1.00, 0.08, 0.00, 0.20
HSL	185°, 100%, 40%
HSV	185°, 100%, 80%
XYZ	28.5498, 39.8524, 62.6875
YIQ	132.9110, -116.5880, -34.6680

Conversions

Conversions Part 2

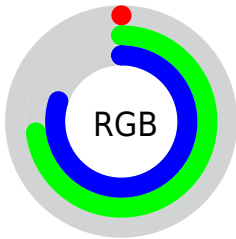
Format	Color
RYB	0, 97, 203
Decimal	48075
CIELab	69.36, -33.09, -19.20
CIELCh	69, 38.260, 210.123
Yxy	39.8524, 0.2178, 0.3040
Android (android.graphics.Color)	4278238155 (0xFF00BBCB)
YUV	132.9110, 34.5539, -116.5629
Hunter-Lab	63.1288, -29.7492, -14.6854

Details

The XYZ color **28.5498, 39.8524, 62.6875** 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 **24.8151, 13.0687, 1.2159**, and the grayscale version is **22.1760, 23.3309, 25.4074**.

A 20% lighter version of the original color is **56.1096, 74.8644, 106.1007**, and **13.8123, 18.9450, 31.3625** is the 20% darker color. If you saturate the color by 10%, you get **28.5497, 39.8520, 62.6882**, and if you desaturate by 10%, it is **29.1875, 40.6887, 62.8161**.

Distribution



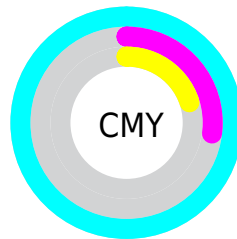
- Red (0%)
- Green (73%)
- Blue (80%)



- Red (0%)
- Yellow (38%)
- Blue (80%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5498, 39.8524, 62.6875 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 28.5498, 39.8524, 62.6875 by changing the saturation by 10% instead.


 28.5498, 39.8524,
62.6875


 28.5498, 39.8524,
62.6875


287.1175,
345.5011, 452.5112


 18.8831, 27.4235,
45.1491


 56.7636, 74.9387,
110.2998


 11.6893, 17.8915,
31.2311


 76.0413, 98.3649,
141.2107

 6.6032, 10.8721,
20.5149


 99.2535, 126.2256,
177.4162

 3.2593, 5.9809,
12.5821

 126.7654,
158.9052, 219.3348

 1.2923, 2.8335,
7.0141

 158.9424,
196.7882, 267.3850

 0.1775, 1.0454,
3.3923

196.1498,

 0.0000, 0.0000,

240.2589, 321.9855

1.2983

238.7531,
289.7017, 383.5547

■ 0.0000, 0.0000,
0.0604

■ 0.0000, 0.0000,
0.0000

■ 28.5498, 39.8524,
62.6875

■ 28.5498, 39.8524,
62.6875

■ 28.5497, 39.8520,
62.6882

■ 29.1875, 40.6887,
62.8161

■ 30.1375, 41.6909,
62.9595

■ 31.5072, 42.9151,
63.1236

■ 33.3534, 44.3906,
63.3111

■ 35.7238, 46.1421,
63.5242

■ 38.6604, 48.1911,
63.7649

■ 42.2009, 50.5572,
64.0350

■ 46.3798, 53.2581,
64.3361

■ 51.2290, 56.3103,
64.6696

Harmonies

Analogous

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



27.2485, 39.8524, 43.4651



28.5498, 39.8524, 62.6875



32.2920, 39.8524, 79.8465

Triad

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



28.5498, 39.8524, 62.6875



49.0758, 39.8524, 62.5270



37.8532, 39.8524, 17.5868

Complementary

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



28.5498, 39.8524, 62.6875



24.8151, 13.0687, 1.2159

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.



44.0748, 39.8524, 20.1667



28.5498, 39.8524, 62.6875



50.9659, 39.8524, 43.3200

Square

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



28.5498, 39.8524, 62.6875



44.1233, 39.8524, 79.7376



49.0457, 39.8524, 28.5287



32.2526, 39.8524, 20.2103

Rectangle

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



28.5498, 39.8524, 62.6875



35.8876, 39.8524, 85.9985



49.0457, 39.8524, 28.5287



39.9418, 39.8524, 17.8629

Sweetspot

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



28.5511, 39.8538, 62.6885



70.3913, 84.4768, 107.2034



21.4332, 42.7433, 7.5212



14.5013, 17.7070, 22.9034



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.



28.5511, 39.8538, 62.6885



47.7293, 66.5786, 104.9431



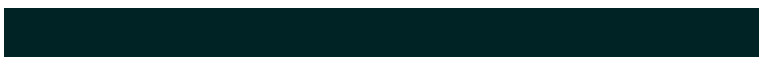
14.2694, 11.2905, 57.9279



11.4647, 12.5698, 14.3923



18.1996, 25.4232, 39.9042



0.9619, 1.3575, 2.0663

Inverse Universe

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



33.5993, 16.2856, 48.3877



56.2207, 27.2523, 80.8175



30.7661, 24.9705, 3.1996



11.6479, 11.3879, 13.9465



21.3972, 10.3695, 30.8741



1.1154, 0.5396, 1.6538

Previews

White Background



This preview shows how the XYZ color 28.5498, 39.8524, 62.6875 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 28.5498, 39.8524, 62.6875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

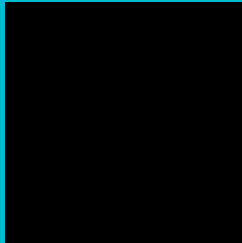
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

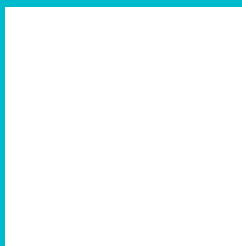
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.5498, 39.8524, 62.6875

Background



This preview shows how black text looks on a background with the XYZ color 28.5498, 39.8524, 62.6875.

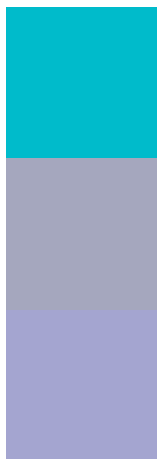


This preview shows how white text looks on a background with the XYZ color 28.5498, 39.8524,

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

28.5498, 39.8524, 62.6875

Protanopia

38.6300, 39.3545, 54.2753

Deuteranopia

40.1501, 39.3568, 65.1550



Tritanopia

28.4310, 39.8049, 62.0618

Trichromacy



Original Color

28.5498, 39.8524, 62.6875



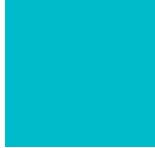
Protanomaly

30.8121, 37.2155, 57.1891



Deuteranomaly

31.7931, 37.2864, 63.9138



Tritanomaly

28.4310, 39.8049, 62.0618

Monochromacy



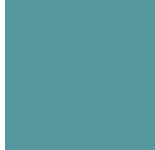
Original Color

28.5498, 39.8524, 62.6875



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 28.5498, 39.8524, 62.6875 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, 187, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 203)  
}
```

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, 187, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 203) }
```

Border

The CSS property to change the border of an element to XYZ 28.5498, 39.8524, 62.6875 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, 187, 203) }
```


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

```
.border{ border-color:rgb(0, 187, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 187, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 187, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 187, 203); box-shadow:4px 4px 4px 4px rgb(0, 187, 203) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5498, 39.8524, 62.6875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 203) }
```

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

```
.background{ background-color: rgb(0, 187,  
203) }
```

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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