

Converting Colors

XYZ(18.1641, 37.8552, 63.8569)

Have a look what the booklet for
XYZ(18.1641, 37.8552, 63.8569)
contains.

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Color

**XYZ(30.9857, 44.3403,
64.6830)**

Conversions

Conversions Part 1

Format	Color
Hex	00C5CD
RGB	0, 197, 205
RGB Percent	0%, 77%, 80%
CMY	0.9998, 0.2274, 0.1961
CMYK	1.00, 0.04, 0.00, 0.20
HSL	182°, 100%, 40%
HSV	182°, 100%, 80%
XYZ	30.9857, 44.3403, 64.6830
YIQ	139.0090, -119.9800, -39.2760

Conversions

Conversions Part 2

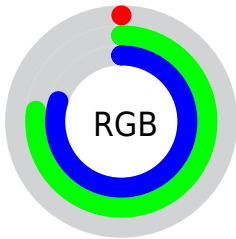
Format	Color
RYB	0, 100, 205
Decimal	50637
CIELab	72.46, -37.15, -15.62
CIELCh	72, 40.302, 202.802
Yxy	44.3403, 0.2213, 0.3167
Android (android.graphics.Color)	4278240717 (0xFF00C5CD)
YUV	139.0090, 32.5336, -121.9109
Hunter-Lab	66.5885, -33.4683, -10.9814

Details

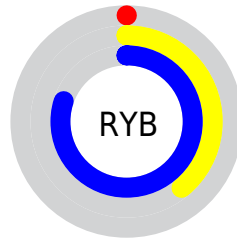
The XYZ color **30.9857, 44.3403, 64.6830** is a dark color, and the websafe version is hex **33CCCC**, and the color name is **turquoise surf**. The color can be described as middle washed cyan. A complement of this color would be **25.2648, 13.1541, 1.2087**, and the grayscale version is **24.4617, 25.7356, 28.0261**.

A 20% lighter version of the original color is **59.4357, 81.1678, 107.1421**, and **15.4084, 21.8793, 32.6892** is the 20% darker color. If you saturate the color by 10%, you get **30.9861, 44.3408, 64.6839**, and if you desaturate by 10%, it is **31.4684, 44.8605, 64.7588**.

Distribution



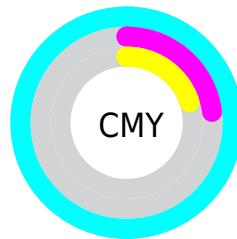
- Red (0%)
- Green (77%)
- Blue (80%)



- Red (0%)
- Yellow (39%)
- Blue (80%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (23%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9857, 44.3403, 64.6830 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 30.9857, 44.3403, 64.6830 by changing the saturation by 10% instead.

 30.9857, 44.3403,
64.6830


 30.9857, 44.3403,
64.6830


298.3005,
364.0951, 459.9269


 20.7397, 30.9381,
46.7544

 60.5936, 81.7296,
113.2029


 13.0453, 20.5517,
32.4886


 80.6861, 106.4855,
144.6312

 7.5369, 12.7967,
21.4670


 104.7917,
135.7947, 181.3966

 3.8494, 7.2887,
13.2713

 133.2755,
170.0417, 223.9174

 1.6173, 3.6433,
7.4827

 166.5029,
209.6108, 272.6124

 0.4036, 1.4761,
3.6828

204.8393,

 0.0000, 0.2718,

254.8865, 327.8999

1.4530

248.6500,
306.2532, 390.1986

■ 0.0000, 0.0000,
0.1825

■ 0.0000, 0.0000,
0.0000

■ 30.9857, 44.3403,
64.6830

■ 30.9857, 44.3403,
64.6830

■ 30.9861, 44.3408,
64.6839

■ 31.4684, 44.8605,
64.7588

■ 32.2681, 45.5445,
64.8487

■ 33.4942, 46.4499,
64.9588

■ 35.2047, 47.6064,
65.0919

■ 37.4486, 49.0394,
65.2502

■ 40.2690, 50.7709,
65.4358

■ 43.7046, 52.8210,
65.6504

■ 47.7905, 55.2079,
65.8958

■ 52.5593, 57.9483,
66.1734

Harmonies

Analogous

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



30.2270, 44.3403, 43.6402



30.9857, 44.3403, 64.6830



34.5697, 44.3403, 85.6342

Triad

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



30.9857, 44.3403, 64.6830



53.7109, 44.3403, 75.3126



43.8410, 44.3403, 19.3918

Complementary

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



30.9857, 44.3403, 64.6830



25.2648, 13.1541, 1.2087

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.



50.7512, 44.3403, 23.7588



30.9857, 44.3403, 64.6830



56.8422, 44.3403, 53.2355

Square

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



30.9857, 44.3403, 64.6830



47.5385, 44.3403, 92.8556



55.7035, 44.3403, 34.9132



37.1741, 44.3403, 20.8930

Rectangle

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



30.9857, 44.3403, 64.6830



38.3148, 44.3403, 94.8489



55.7035, 44.3403, 34.9132



46.2205, 44.3403, 20.1694

Sweetspot

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



30.9871, 44.3419, 64.6841



71.3400, 86.3742, 107.5196



21.8699, 43.6786, 7.4757



14.7321, 18.1687, 22.9804



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.



30.9871, 44.3419, 64.6841



50.7171, 72.5542, 105.9390



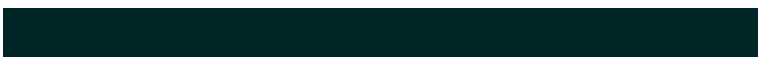
15.1750, 12.7178, 59.4134



11.5043, 12.6490, 14.4055



19.3066, 27.6372, 40.2732



1.0079, 1.4496, 2.0816

Inverse Universe

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



35.2561, 17.0117, 54.2504



57.7288, 27.8555, 88.7590



30.6841, 23.9927, 3.0152



11.6679, 11.3959, 14.0518



21.9560, 10.5930, 33.8166



1.1387, 0.5489, 1.7763

Previews

White Background



This preview shows how the XYZ color 30.9857, 44.3403, 64.6830 looks on a white background.

Color Contrast Check

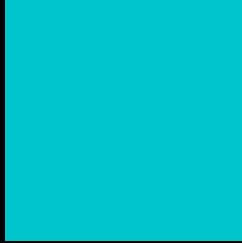
Large Text (above 18pt) WCAG AA × Fail

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 30.9857, 44.3403, 64.6830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

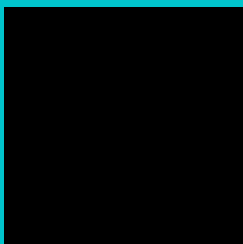
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

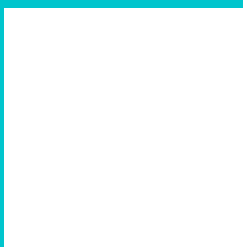
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9857, 44.3403, 64.6830

Background



This preview shows how black text looks on a background with the XYZ color 30.9857, 44.3403, 64.6830.



This preview shows how white text looks on a background with the XYZ color 30.9857, 44.3403,

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

30.9857, 44.3403, 64.6830

Protanopia

42.4131, 43.5355, 55.4580

Deuteranopia

44.5168, 43.5053, 67.0238



Tritanopia

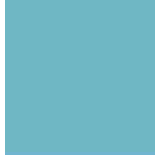
32.0496, 44.4529, 69.1784

Trichromacy



Original Color

30.9857, 44.3403, 64.6830



Protanomaly

33.4528, 41.2320, 58.4200



Deuteranomaly

34.7191, 41.1125, 65.7801



Tritanomaly

31.4797, 44.2025, 67.1944

Monochromacy



Original Color

30.9857, 44.3403, 64.6830



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

23.2062, 29.8607, 39.1909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9857, 44.3403, 64.6830 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, 197, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 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(0, 197, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 205) }
```

Border

The CSS property to change the border of an element to XYZ 30.9857, 44.3403, 64.6830 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, 197, 205) }
```


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

```
.border{ border-color:rgb(0, 197, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 197, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9857, 44.3403, 64.6830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 205) }
```

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

```
.background{ background-color: rgb(0, 197,  
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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