

Converting Colors

XYZ(30.4865, 44.8353, 59.9125)

Have a look what the booklet for
XYZ(30.4865, 44.8353, 59.9125)
contains.

XYZ(30.5015, 44.8781, 59.8781)	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(30.5015, 44.8781,
59.8781)**

Conversions

Conversions Part 1

Format	Color
Hex	00C7C5
RGB	0, 199, 197
RGB Percent	0%, 78%, 77%
CMY	0.9998, 0.2196, 0.2274
CMYK	1.00, 0.00, 0.01, 0.22
HSL	179°, 100%, 39%
HSV	179°, 100%, 78%
XYZ	30.5015, 44.8781, 59.8781
YIQ	139.2710, -117.9620, -42.8100

Conversions

Conversions Part 2

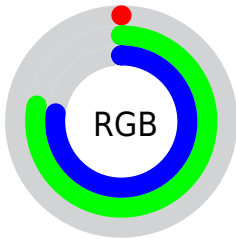
Format	Color
RYB	0, 100, 199
Decimal	51141
CIELab	72.81, -40.49, -10.73
CIELCh	73, 41.888, 194.848
Yxy	44.8781, 0.2255, 0.3318
Android (android.graphics.Color)	4278241221 (0xFF00C7C5)
YUV	139.2710, 28.4604, -122.1407
Hunter-Lab	66.9911, -35.9622, -6.1009

Details

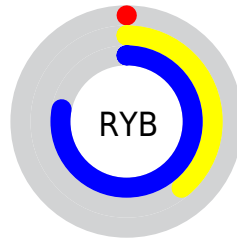
The XYZ color **30.5015, 44.8781, 59.8781** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **23.5656, 12.1479, 1.1615**, and the grayscale version is **24.5769, 25.8568, 28.1580**.

A 20% lighter version of the original color is **59.4751, 81.6790, 106.3969**, and **14.9312, 21.9297, 29.4325** is the 20% darker color. If you saturate the color by 10%, you get **30.5023, 44.8795, 59.8789**, and if you desaturate by 10%, it is **30.8126, 45.0368, 60.0135**.

Distribution



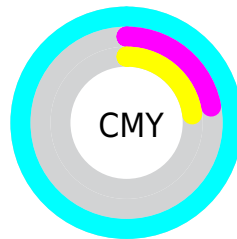
- Red (0%)
- Green (78%)
- Blue (77%)



- Red (0%)
- Yellow (39%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (22%)



- Cyan (100%)
- Magenta (22%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5015, 44.8781, 59.8781 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 30.5015, 44.8781, 59.8781 by changing the saturation by 10% instead.

■ 30.5015, 44.8781,
59.8781

■ 30.5015, 44.8781,
59.8781

296.1032,
366.2796, 441.9405

■ 20.3695, 31.3614,
42.8957

■ 59.8356, 82.5375,
106.1945

■ 12.7738, 20.8742,
29.4725

■ 79.7684, 107.4489,
136.3655

■ 7.3489, 13.0321,
19.1899

■ 103.6988,
136.9274, 171.7699

■ 3.7295, 7.4506,
11.6294

■ 131.9923,
171.3574, 212.8261

■ 1.5503, 3.7455,
6.3724

■ 165.0141,
211.1232, 259.9528

■ 0.3597, 1.5322,
3.0004

203.1296,

■ 0.0000, 0.3113,

256.6093, 313.5684

1.0948

246.7042,
308.1999, 374.0914

■ 0.0000, 0.0000,
0.0000

■ 30.5015, 44.8781,
59.8781

■ 30.5015, 44.8781,
59.8781

■ 30.5023, 44.8795,
59.8789

■ 30.8126, 45.0368,
60.0135

■ 31.4173, 45.3459,
60.1618

■ 32.4194, 45.8598,
60.3289

■ 33.8727, 46.6064,
60.5172

■ 35.8228, 47.6090,
60.7289

■ 38.3096, 48.8883,
60.9659

■ 41.3690, 50.4628,
61.2299

■ 45.0338, 52.3494,
61.5224

■ 49.3343, 54.5637,
61.8448

Harmonies

Analogous

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



30.5169, 44.8781, 39.1143



30.5015, 44.8781, 59.8781



33.4781, 44.8781, 82.9524

Triad

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



30.5015, 44.8781, 59.8781



53.3118, 44.8781, 83.1669



46.4210, 44.8781, 19.4779

Complementary

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



30.5015, 44.8781, 59.8781



23.5656, 12.1479, 1.1615

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.



53.3728, 44.8781, 25.6888



30.5015, 44.8781, 59.8781



57.6487, 44.8781, 60.1139

Square

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



30.5015, 44.8781, 59.8781



46.3450, 44.8781, 98.7808



57.6722, 44.8781, 39.2919



39.1668, 44.8781, 19.4481

Rectangle

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



30.5015, 44.8781, 59.8781



36.9764, 44.8781, 94.8946



57.6722, 44.8781, 39.2919



48.8877, 44.8781, 20.8116

Sweetspot

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



30.5029, 44.8798, 59.8792



72.1614, 88.2148, 107.1834



20.4664, 40.8700, 6.8113



14.9324, 18.6175, 22.8983



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.



30.5029, 44.8798, 59.8792



53.3997, 78.5759, 104.8093



15.1440, 13.7925, 55.8987



10.9420, 12.0657, 13.6445



19.6151, 28.8584, 38.5133



0.9303, 1.3671, 1.8316

Inverse Universe

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



23.5656, 12.1479, 1.1615



41.2541, 21.2656, 2.0040



27.7560, 20.5462, 2.5042



10.6381, 10.6386, 11.0777



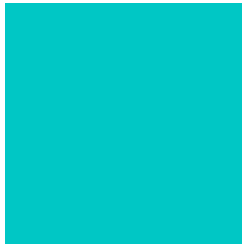
15.1542, 7.8113, 0.7562



0.7191, 0.3705, 0.0439

Previews

White Background



This preview shows how the XYZ color 30.5015, 44.8781, 59.8781 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 30.5015, 44.8781, 59.8781 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

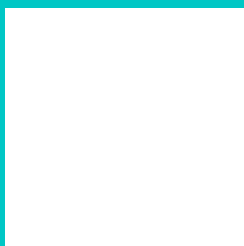
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.5015, 44.8781, 59.8781

Background



This preview shows how black text looks on a background with the XYZ color 30.5015, 44.8781, 59.8781.



This preview shows how white text looks on a background with the XYZ color 30.5015, 44.8781, 59.8781.

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

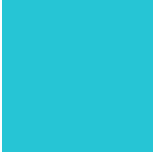
30.5015, 44.8781, 59.8781

Protanopia

42.6630, 44.0533, 51.0543

Deuteranopia

45.2515, 44.2662, 62.6591



Tritanopia

32.7758, 45.1487, 69.9379

Trichromacy



Original Color

30.5015, 44.8781, 59.8781



Protanomaly

33.1570, 41.4892, 53.8376



Deuteranomaly

34.4730, 41.3859, 61.4297



Tritanomaly

31.8333, 45.0874, 66.0564

Monochromacy



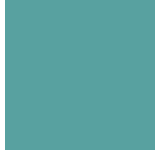
Original Color

30.5015, 44.8781, 59.8781



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

23.1145, 30.1025, 37.8498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5015, 44.8781, 59.8781 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, 199, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 197)  
}
```

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, 199, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 197) }
```

Border

The CSS property to change the border of an element to XYZ 30.5015, 44.8781, 59.8781 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, 199, 197) }
```


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

```
.border{ border-color:rgb(0, 199, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5015, 44.8781, 59.8781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 197) }
```

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

```
.background{ background-color: rgb(0, 199,  
197) }
```

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