

Converting Colors

XYZ(14.4727, 35.3596, 59.8959)

Have a look what the booklet for
XYZ(14.4727, 35.3596, 59.8959)
contains.

XYZ(29.8239, 43.1537, 60.7905)	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(29.8239, 43.1537,
60.7905)**

Conversions

Conversions Part 1

Format	Color
Hex	00C3C7
RGB	0, 195, 199
RGB Percent	0%, 76%, 78%
CMY	0.9998, 0.2353, 0.2196
CMYK	1.00, 0.02, 0.00, 0.22
HSL	181°, 100%, 39%
HSV	181°, 100%, 78%
XYZ	29.8239, 43.1537, 60.7905
YIQ	137.1510, -117.5040, -40.0960

Conversions

Conversions Part 2

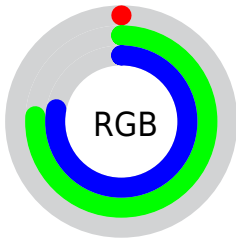
Format	Color
RYB	0, 98, 199
Decimal	50119
CIELab	71.66, -38.08, -13.55
CIELCh	72, 40.415, 199.587
Yxy	43.1537, 0.2230, 0.3226
Android (android.graphics.Color)	4278240199 (0xFF00C3C7)
YUV	137.1510, 30.4916, -120.2814
Hunter-Lab	65.6915, -33.9212, -8.8826

Details

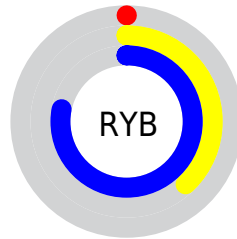
The XYZ color **29.8239, 43.1537, 60.7905** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **23.5977, 12.2302, 1.1182**, and the grayscale version is **23.7605, 24.9979, 27.2227**.

A 20% lighter version of the original color is **58.5693, 79.7839, 106.9206**, and **14.6357, 21.0941, 30.0882** is the 20% darker color. If you saturate the color by 10%, you get **29.8245, 43.1546, 60.7915**, and if you desaturate by 10%, it is **30.2018, 43.4826, 60.8349**.

Distribution



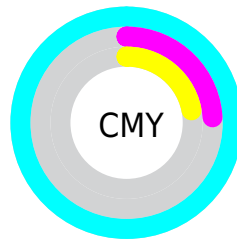
- Red (0%)
- Green (76%)
- Blue (78%)



- Red (0%)
- Yellow (38%)
- Blue (78%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (24%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8239, 43.1537, 60.7905 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 29.8239, 43.1537, 60.7905 by changing the saturation by 10% instead.

■ 29.8239, 43.1537,
60.7905

■ 29.8239, 43.1537,
60.7905

293.0073,
359.2435, 445.3907

■ 19.8524, 30.0057,
43.6267

■ 58.7721, 79.9427,
107.5301

■ 12.3954, 19.8429,
30.0421

■ 78.4795, 104.3526,
137.9430

■ 7.0877, 12.2809,
19.6182

■ 102.1629,
133.2852, 173.6092

■ 3.5638, 6.9353,
11.9365

■ 130.1877,
167.1250, 214.9474

■ 1.4585, 3.4217,
6.5784

■ 162.9191,
206.2563, 262.3762

■ 0.2973, 1.3556,
3.1255

200.7227,

■ 0.0000, 0.1837,

251.0636, 316.3139

1.1591

243.9636,
301.9312, 377.1793

■ 0.0000, 0.0000,
0.0000

■ 29.8239, 43.1537,
60.7905

■ 29.8239, 43.1537,
60.7905

■ 29.8245, 43.1546,
60.7915

■ 30.2018, 43.4826,
60.8349

■ 30.8734, 43.9624,
60.8921

■ 31.9427, 44.6476,
60.9680

■ 33.4634, 45.5658,
61.0651

■ 35.4810, 46.7406,
61.1855

■ 38.0356, 48.1926,
61.3311

■ 41.1630, 49.9402,
61.5036

■ 44.8960, 52.0003,
61.7045

■ 49.2649, 54.3886,
61.9352

Harmonies

Analogous

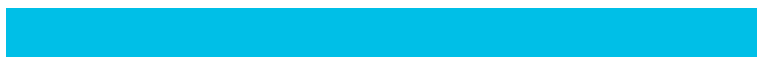
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.3854, 43.1537, 40.4984



29.8239, 43.1537, 60.7905



33.0618, 43.1537, 81.9271

Triad

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



29.8239, 43.1537, 60.7905



51.8758, 43.1537, 75.9046



43.4413, 43.1537, 18.8094

Complementary

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



29.8239, 43.1537, 60.7905



23.5977, 12.2302, 1.1182

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.



50.1542, 43.1537, 23.7338



29.8239, 43.1537, 60.7905



55.3708, 43.1537, 54.1342

Square

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



29.8239, 43.1537, 60.7905



45.5888, 43.1537, 92.1979



54.7079, 43.1537, 35.4493



36.7602, 43.1537, 19.6698

Rectangle

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



29.8239, 43.1537, 60.7905



36.5949, 43.1537, 91.9072



54.7079, 43.1537, 35.4493



45.7802, 43.1537, 19.7739

Sweetspot

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



29.8252, 43.1553, 60.7915



71.7965, 87.2872, 107.6718



20.4427, 40.8551, 6.9049



14.8433, 18.3912, 23.0175



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.



29.8252, 43.1553, 60.7915



52.1968, 75.5135, 106.4323



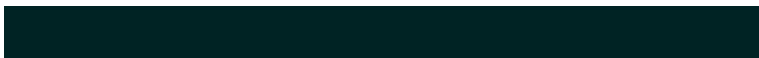
14.5112, 12.5273, 55.6869



10.9277, 12.0296, 13.6635



19.1857, 27.7654, 39.0924



0.9144, 1.3266, 1.8530

Inverse Universe

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



33.4047, 16.0835, 52.9752



58.4757, 28.1543, 92.6920



28.3880, 21.8108, 2.7149



11.0736, 10.8128, 13.3706



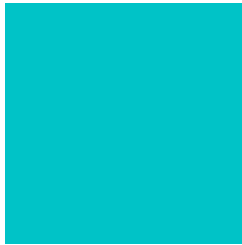
21.4834, 10.3429, 34.0851



1.0202, 0.4909, 1.6297

Previews

White Background



This preview shows how the XYZ color 29.8239, 43.1537, 60.7905 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 29.8239, 43.1537, 60.7905 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

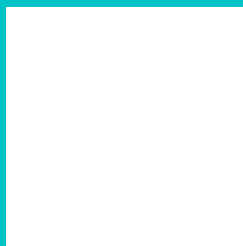
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8239, 43.1537, 60.7905

Background



This preview shows how black text looks on a background with the XYZ color 29.8239, 43.1537, 60.7905.



This preview shows how white text looks on a background with the XYZ color 29.8239, 43.1537,

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

29.8239, 43.1537, 60.7905

Protanopia

41.1561, 42.3886, 51.9116

Deuteranopia

43.5256, 42.5043, 63.6677



Tritanopia

31.1437, 43.0347, 66.9867

Trichromacy



Original Color

29.8239, 43.1537, 60.7905



Protanomaly

32.3737, 40.1450, 54.7577



Deuteranomaly

33.7096, 40.0627, 62.4561



Tritanomaly

30.5997, 43.1401, 64.4717

Monochromacy



Original Color

29.8239, 43.1537, 60.7905



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.5025, 29.0180, 37.6727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8239, 43.1537, 60.7905 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, 195, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 195, 199)  
}
```

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, 195, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 195, 199) }
```

Border

The CSS property to change the border of an element to XYZ 29.8239, 43.1537, 60.7905 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, 195, 199) }
```


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

```
.border{ border-color:rgb(0, 195, 199) }
```

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

Here you see how a box with a 4 pixel rgb(0, 195, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 195, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 195, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 195,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8239, 43.1537, 60.7905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 195, 199) }
```

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

```
.background{ background-color: rgb(0, 195,  
199) }
```

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