

# Converting Colors

XYZ(29.9224, 43.9830, 54.8914)

Have a look what the booklet for  
XYZ(29.9224, 43.9830, 54.8914)  
contains.

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# Color

**XYZ(29.9883, 44.0380,  
55.0637)**

# Conversions

## Conversions Part 1

Format	Color
Hex	27C5BD
RGB	39, 197, 189
RGB Percent	15%, 77%, 74%
CMY	0.8470, 0.2274, 0.2588
CMYK	0.80, 0.00, 0.04, 0.23
HSL	177°, 67%, 46%
HSV	177°, 80%, 77%
XYZ	29.9883, 44.0380, 55.0637
YIQ	148.8460, -91.6000, -35.9840

# Conversions

## Conversions Part 2

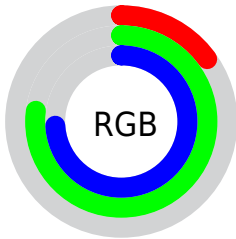
Format	Color
<a href="#">RYB</a>	<a href="#">39, 120, 197</a>
Decimal	<a href="#">2606525</a>
CIELab	<a href="#">72.25, -40.02, -7.18</a>
CIELCh	<a href="#">72, 40.656, 190.173</a>
Yxy	<a href="#">44.0380, 0.2323, 0.3411</a>
Android (android.graphics.Color)	<a href="#">4280796605 (0xFF27C5BD)</a>
YUV	<a href="#">148.8460, 19.7959, -96.3349</a>
Hunter-Lab	<a href="#">66.3611, -35.4686, -2.7436</a>

# Details

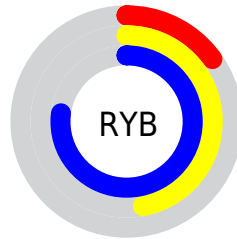
The XYZ color **29.9883, 44.0380, 55.0637** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **24.2661, 13.5280, 4.0232**, and the grayscale version is **28.4516, 29.9333, 32.5974**.

A 20% lighter version of the original color is **58.8627, 81.0536, 98.9287**, and **14.1169, 21.1236, 26.6258** is the 20% darker color. If you saturate the color by 10%, you get **29.3191, 43.7065, 54.4699**, and if you desaturate by 10%, it is **31.0478, 44.5726, 55.6817**.

# Distribution



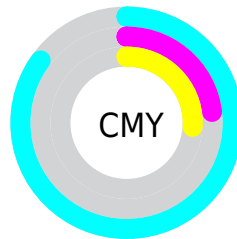
- Red (15%)
- Green (77%)
- Blue (74%)



- Red (15%)
- Yellow (47%)
- Blue (77%)



- Cyan (80%)
- Magenta (0%)
- Yellow (4%)
- Black (23%)




- Cyan (85%)
- Magenta (23%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9883, 44.0380, 55.0637 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 29.9883, 44.0380, 55.0637 by changing the saturation by 10% instead.





 29.9883, 44.0380,  
55.0637


 29.9883, 44.0380,  
55.0637


293.7607,  
362.8633, 423.4421


 19.9777, 30.7004,  
39.0538


 59.0304, 81.2749,  
99.1064

 12.4870, 20.3708,  
26.4934


 78.7927, 105.9430,  
127.9762

 7.1508, 12.6649,  
16.9641


 102.5363,  
135.1567, 161.9697

 3.6038, 7.1982,  
10.0472

 130.6265,  
169.3004, 201.5055

 1.4805, 3.5864,  
5.3242

 163.4286,  
208.7586, 247.0021

 0.3125, 1.4450,  
2.3767

201.3082,

 0.0000, 0.2495,

253.9155, 298.8781

0.7737

244.6304,  
305.1556, 357.5519

■ 0.0000, 0.0000,  
0.0000

■ 29.9883, 44.0380,  
55.0637

■ 29.9883, 44.0380,  
55.0637

■ 29.3191, 43.7065,  
54.4699

■ 31.0478, 44.5726,  
55.6817

■ 28.9393, 43.5228,  
53.9034

■ 32.5465, 45.3326,  
56.3231

■ 34.5301, 46.3425,  
56.9911

■ 37.0378, 47.6224,  
57.6876

■ 40.1046, 49.1905,  
58.4141

■ 43.7626, 51.0633,  
59.1722

■ 48.0414, 53.2560,  
59.9634

■ 52.9686, 55.7829,  
60.7888

■ 58.5703, 58.6574,  
61.6497

# Harmonies

## Analogous

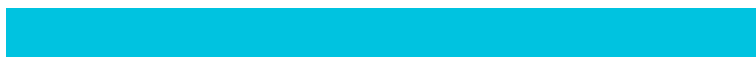
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.4588, 44.0380, 36.0593



29.9883, 44.0380, 55.0637



32.4170, 44.0380, 77.2632

# Triad

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



29.9883, 44.0380, 55.0637



51.1248, 44.0380, 83.7216



46.5757, 44.0380, 20.1200

# Complementary

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



29.9883, 44.0380, 55.0637



24.2661, 13.5280, 4.0232

# 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.



52.9715, 44.0380, 27.1837



29.9883, 44.0380, 55.0637



55.7934, 44.0380, 62.2033

# Square

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



29.9883, 44.0380, 55.0637



44.2721, 44.0380, 96.6015



56.5044, 44.0380, 41.4768



39.5309, 44.0380, 19.1962



# Rectangle

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



29.9883, 44.0380, 55.0637



35.5303, 44.0380, 89.6192



56.5044, 44.0380, 41.4768



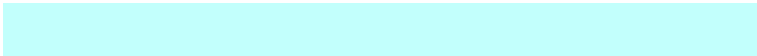
48.8929, 44.0380, 21.7381

# Sweetspot

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



29.9896, 44.0397, 55.0648



75.5117, 89.9848, 105.4016



21.6265, 40.7471, 8.6458



15.6637, 19.0051, 22.4556



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.



29.9896, 44.0397, 55.0648



52.0052, 78.0328, 96.7998



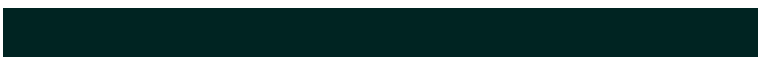
18.7055, 20.0428, 55.7079



10.9226, 12.0579, 13.5427



19.0436, 28.6298, 35.5039



0.9090, 1.3585, 1.7195



# Inverse Universe

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



24.2661, 13.5280, 4.0232



41.5014, 21.5417, 2.7603



28.7006, 22.6322, 4.7764



10.6553, 10.6455, 11.1680



15.1905, 7.8258, 0.9473

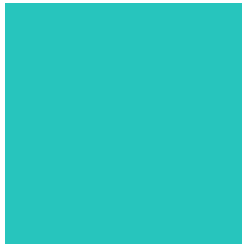


0.7270, 0.3737, 0.0857



# Previews

## White Background



This preview shows how the XYZ color 29.9883, 44.0380, 55.0637 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

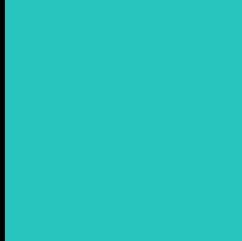
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 29.9883, 44.0380, 55.0637 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

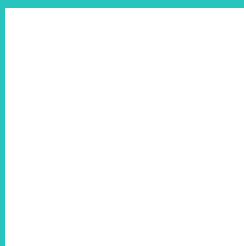
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 29.9883, 44.0380, 55.0637**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.9883, 44.0380, 55.0637.



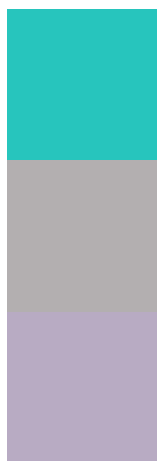
This preview shows how white text looks on a background with the XYZ color 29.9883, 44.0380,



# 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

29.9883, 44.0380, 55.0637

### Protanopia

41.7569, 43.3782, 47.2463

### Deuteranopia

44.1804, 43.2563, 57.6505



## Tritanopia

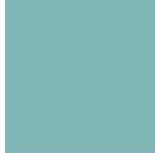
32.5555, 44.0775, 67.7647

# Trichromacy



## Original Color

29.9883, 44.0380, 55.0637



## Protanomaly

34.1761, 41.7924, 49.9815



## Deuteranomaly

35.3070, 41.3181, 56.5664



## Tritanomaly

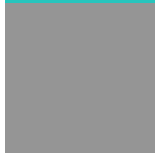
31.4912, 43.9726, 62.7049

# Monochromacy



## Original Color

29.9883, 44.0380, 55.0637



## Achromatopsia

28.5667, 30.0544, 32.7292



## Achromatomaly

26.6437, 33.2040, 40.1267

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.9883, 44.0380, 55.0637 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(39, 197, 189)` looks like.

```
.text, #text, p{  
    color:rgb(39, 197, 189)  
}
```

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(39, 197, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 197, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 29.9883, 44.0380, 55.0637 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(39, 197, 189) }
```



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

```
.border{ border-color:rgb(39, 197, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 197, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 197, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 197, 189);  
box-shadow:4px 4px 4px 4px rgb(39, 197,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.9883, 44.0380, 55.0637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 197, 189) }
```

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

```
.background{ background-color: rgb(39, 197,  
189) }
```

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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