

Converting Colors

XYZ(23.1450, 45.2595, 54.0175)

Have a look what the booklet for
XYZ(23.1450, 45.2595, 54.0175)
contains.

XYZ(31.9095, 49.6384, 54.3537)	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(31.9095, 49.6384,
54.3537)**

Conversions

Conversions Part 1

Format	Color
Hex	00D2BA
RGB	0, 210, 186
RGB Percent	0%, 82%, 73%
CMY	0.9999, 0.1765, 0.2706
CMYK	1.00, 0.00, 0.11, 0.18
HSL	173°, 100%, 41%
HSV	173°, 100%, 82%
XYZ	31.9095, 49.6384, 54.3537
YIQ	144.4740, -117.4560, -51.9840

Conversions

Conversions Part 2

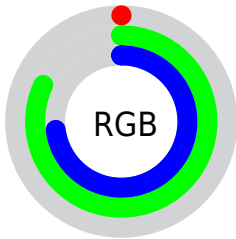
Format	Color
RYB	0, 111, 210
Decimal	53946
CIELab	75.85, -48.38, -0.30
CIELCh	76, 48.385, 180.353
Yxy	49.6384, 0.2348, 0.3653
Android (android.graphics.Color)	4278244026 (0xFF00D2BA)
YUV	144.4740, 20.4723, -126.7037
Hunter-Lab	70.4545, -42.4511, 3.5776

Details

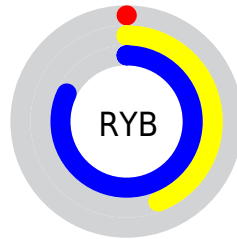
The XYZ color **31.9095, 49.6384, 54.3537** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **26.7449, 13.7690, 2.1142**, and the grayscale version is **26.6590, 28.0474, 30.5436**.

A 20% lighter version of the original color is **57.7309, 80.9950, 96.5953**, and **15.7892, 24.8047, 26.1459** is the 20% darker color. If you saturate the color by 10%, you get **31.9101, 49.6399, 54.3527**, and if you desaturate by 10%, it is **32.4779, 49.9028, 55.7250**.

Distribution



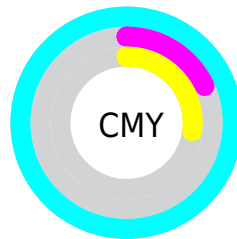
- Red (0%)
- Green (82%)
- Blue (73%)



- Red (0%)
- Yellow (44%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9095, 49.6384, 54.3537 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 31.9095, 49.6384, 54.3537 by changing the saturation by 10% instead.

 31.9095, 49.6384,
54.3537


 31.9095, 49.6384,
54.3537


302.4594,
385.2502, 420.6700


 21.4476, 35.1262,
38.4894


 62.0353, 89.6389,
98.0550


 13.5659, 23.7601,
26.0580


 82.4300, 115.8959,
126.7291


 7.8990, 15.1557,
16.6409


 106.8663,
146.8367, 160.5102

 4.0817, 8.9288,
9.8195

 135.7095,
182.8456, 199.8169

 1.7484, 4.6947,
5.1754

 169.3251,
224.3070, 245.0677

 0.4863, 2.0693,
2.2900

208.0784,

 0.0000, 0.6473,

271.6053, 296.6811

0.7256

252.3347,
325.1249, 355.0757

■ 0.0000, 0.0000,
0.0000

■ 31.9095, 49.6384,
54.3537

■ 31.9095, 49.6384,
54.3537

■ 31.9101, 49.6399,
54.3527

■ 32.4779, 49.9028,
55.7250

■ 33.3859, 50.3407,
57.1335

■ 34.7479, 51.0121,
58.5859

■ 36.6255, 51.9488,
60.0852

■ 39.0708, 53.1777,
61.6338

■ 42.1296, 54.7223,
63.2340

■ 45.8428, 56.6037,
64.8879

■ 50.2480, 58.8414,
66.5973

■ 55.3796, 61.4531,
68.3639

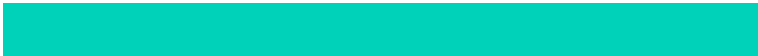
Harmonies

Analogous

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



33.6861, 49.6384, 33.0589



31.9095, 49.6384, 54.3537



33.7713, 49.6384, 83.1471

Triad

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



31.9095, 49.6384, 54.3537



56.4723, 49.6384, 109.0614



56.2644, 49.6384, 21.4127

Complementary

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



31.9095, 49.6384, 54.3537



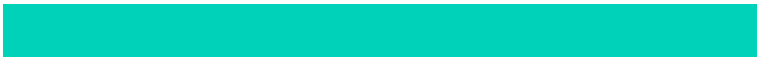
26.7449, 13.7690, 2.1142

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.



63.7369, 49.6384, 32.6793



31.9095, 49.6384, 54.3537



63.8673, 49.6384, 82.4443

Square

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



31.9095, 49.6384, 54.3537



47.2865, 49.6384, 120.2671



66.6784, 49.6384, 53.7430



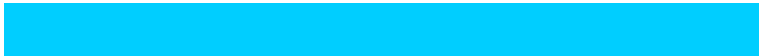
47.0733, 49.6384, 18.1018

Rectangle

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



31.9095, 49.6384, 54.3537



36.9807, 49.6384, 101.8732



66.6784, 49.6384, 53.7430



59.1004, 49.6384, 24.1717

Sweetspot

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



31.9109, 49.6403, 54.3549



70.9088, 87.7137, 100.5875



23.4370, 46.2957, 7.7017



14.6277, 18.4956, 21.2937



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.



31.9109, 49.6403, 54.3549



49.4670, 77.0028, 84.1000



19.5520, 20.4901, 63.8994



12.0977, 13.3828, 14.8711



19.4878, 30.2881, 33.2786



1.1066, 1.7003, 1.9499

Inverse Universe

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



26.7449, 13.7690, 2.1142



41.4636, 21.3494, 3.1076



29.4865, 19.5163, 2.2139



11.8629, 11.8299, 12.5539



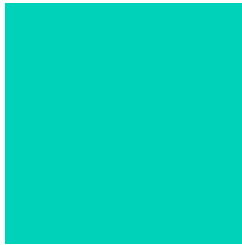
16.3320, 8.4056, 1.3885



0.9320, 0.4775, 0.1770

Previews

White Background



This preview shows how the XYZ color 31.9095, 49.6384, 54.3537 looks on a white background.

Color Contrast Check

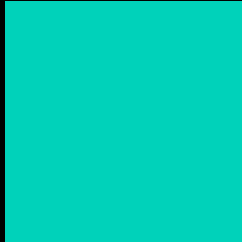
Large Text (above 18pt) WCAG AA × Fail

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 31.9095, 49.6384, 54.3537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

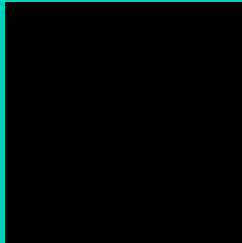
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

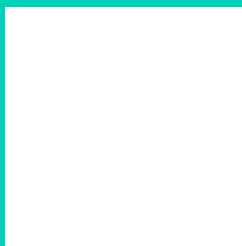
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9095, 49.6384, 54.3537

Background



This preview shows how black text looks on a background with the XYZ color 31.9095, 49.6384, 54.3537.

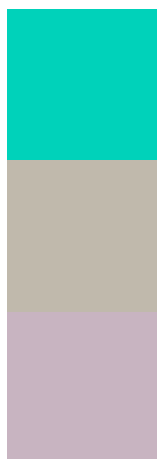


This preview shows how white text looks on a background with the XYZ color 31.9095, 49.6384,

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

31.9095, 49.6384, 54.3537

Protanopia

46.5336, 48.8829, 46.0125

Deuteranopia

49.7663, 48.7721, 57.2431



Tritanopia

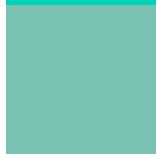
36.5917, 49.7488, 76.7811

Trichromacy



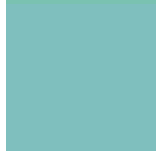
Original Color

31.9095, 49.6384, 54.3537



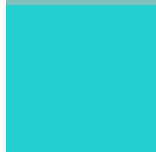
Protanomaly

35.2536, 45.8955, 48.5956



Deuteranomaly

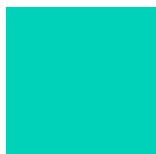
36.6775, 45.4913, 55.5628



Tritanomaly

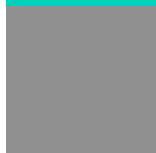
34.5146, 49.5864, 68.0736

Monochromacy



Original Color

31.9095, 49.6384, 54.3537



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.6743, 32.7838, 37.8283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9095, 49.6384, 54.3537 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, 210, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 186)  
}
```

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, 210, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 186) }
```

Border

The CSS property to change the border of an element to XYZ 31.9095, 49.6384, 54.3537 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, 210, 186) }
```


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

```
.border{ border-color:rgb(0, 210, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 210, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 210,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9095, 49.6384, 54.3537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 210, 186) }
```

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

```
.background{ background-color: rgb(0, 210,  
186) }
```

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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