

Converting Colors

XYZ(18.8793, 31.4029, 55.2794)

Have a look what the booklet for
XYZ(18.8793, 31.4029, 55.2794)
contains.

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Color

**XYZ(24.9556, 34.5102,
55.7979)**

Conversions

Conversions Part 1

Format	Color
Hex	00AFC1
RGB	0, 175, 193
RGB Percent	0%, 69%, 76%
CMY	0.9998, 0.3137, 0.2431
CMYK	1.00, 0.09, 0.00, 0.24
HSL	186°, 100%, 38%
HSV	186°, 100%, 76%
XYZ	24.9556, 34.5102, 55.7979
YIQ	124.7270, -110.0780, -31.5020

Conversions

Conversions Part 2

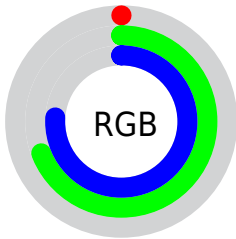
Format	Color
RYB	0, 92, 193
Decimal	44993
CIELab	65.37, -30.54, -19.76
CIELCh	65, 36.380, 212.903
Yxy	34.5102, 0.2165, 0.2994
Android (android.graphics.Color)	4278235073 (0xFF00AFC1)
YUV	124.7270, 33.6586, -109.3856
Hunter-Lab	58.7454, -26.9759, -15.1934

Details

The XYZ color **24.9556, 34.5102, 55.7979** is a dark color, and the websafe version is hex **009999**. The color can be described as dark washed azure. A complement of this color would be **22.2097, 11.7715, 1.1027**, and the grayscale version is **19.3227, 20.3290, 22.1383**.

A 20% lighter version of the original color is **50.9303, 66.7007, 99.8127**, and **11.6197, 15.7831, 26.8601** is the 20% darker color. If you saturate the color by 10%, you get **24.9555, 34.5097, 55.7985**, and if you desaturate by 10%, it is **25.5842, 35.3586, 55.9292**.

Distribution



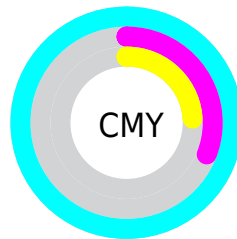
- Red (0%)
- Green (69%)
- Blue (76%)



- Red (0%)
- Yellow (36%)
- Blue (76%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (24%)





- Cyan (100%)
- Magenta (31%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9556, 34.5102, 55.7979 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 24.9556, 34.5102, 55.7979 by changing the saturation by 10% instead.


 24.9556, 34.5102,
55.7979


 24.9556, 34.5102,
55.7979


269.9685,
322.4011, 426.2963


 16.1725, 23.2858,
39.6380


 51.0286, 66.7263,
100.1919

 9.7379, 14.8047,
26.9448


 69.0492, 88.4868,
129.2630


 5.2865, 8.6824,
17.2997


 90.8798, 114.5281,
163.4750

 2.4528, 4.5346,
10.2842

 116.8856,
145.2347, 203.2464

 0.8715, 1.9769,
5.4797

 147.4320,
180.9909, 248.9956

 0.0000, 0.5940,
2.4678

182.8844,

 0.0000, 0.0000,

222.1811, 301.1413

0.8230

223.6081,
269.1897, 360.1021

■ 0.0000, 0.0000,
0.0000

■ 24.9556, 34.5102,
55.7979

■ 24.9556, 34.5102,
55.7979

■ 24.9555, 34.5097,
55.7985

■ 25.5842, 35.3586,
55.9292

■ 26.4895, 36.3559,
56.0740

■ 27.7700, 37.5536,
56.2377

■ 29.4754, 38.9774,
56.4226

■ 31.6479, 40.6490,
56.6307

■ 34.3246, 42.5876,
56.8639

■ 37.5388, 44.8104,
57.1235

■ 41.3209, 47.3330,
57.4111

■ 45.6991, 50.1701,
57.7279

Harmonies

Analogous

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



23.6263, 34.5102, 39.0759



24.9556, 34.5102, 55.7979



28.3677, 34.5102, 70.0706

Triad

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



24.9556, 34.5102, 55.7979



42.7529, 34.5102, 52.5261



32.2866, 34.5102, 15.2888

Complementary

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



24.9556, 34.5102, 55.7979



22.2097, 11.7715, 1.1027

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.



37.6735, 34.5102, 17.0970



24.9556, 34.5102, 55.7979



44.0878, 34.5102, 36.1145

Square

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



24.9556, 34.5102, 55.7979



38.6641, 34.5102, 67.8514



42.1390, 34.5102, 23.8277



27.5626, 34.5102, 17.9879

Rectangle

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



24.9556, 34.5102, 55.7979



31.5559, 34.5102, 74.6906



42.1390, 34.5102, 23.8277



34.0782, 34.5102, 15.3914

Sweetspot

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



24.9567, 34.5114, 55.7987



66.9259, 80.0473, 102.2836



19.1651, 38.1784, 6.8540



13.8116, 16.7986, 21.8998



92.9021, 97.7402, 106.4391



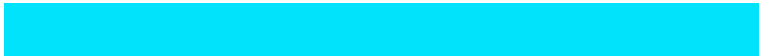
19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.9567, 34.5114, 55.7987



44.5968, 61.6102, 99.9017



12.5273, 9.6526, 51.6556



10.2856, 11.2626, 12.9166



16.6295, 23.0156, 37.1226



0.7424, 1.0421, 1.6119

Inverse Universe

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



29.7311, 14.4337, 41.7777



53.1971, 25.8290, 74.5586



27.8535, 23.0590, 2.9839



10.4555, 10.2308, 12.4891



19.7898, 9.6057, 27.8688



0.8671, 0.4198, 1.2675

Previews

White Background



This preview shows how the XYZ color 24.9556, 34.5102, 55.7979 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 24.9556, 34.5102, 55.7979 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

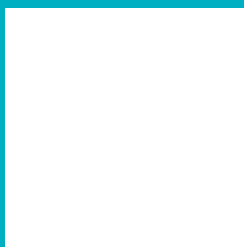
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.9556, 34.5102, 55.7979

Background



This preview shows how black text looks on a background with the XYZ color 24.9556, 34.5102, 55.7979.

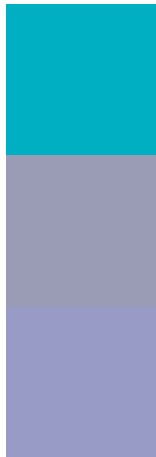


This preview shows how white text looks on a background with the XYZ color 24.9556, 34.5102,

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

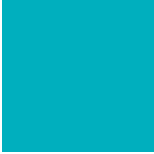
24.9556, 34.5102, 55.7979

Protanopia

33.5554, 33.9832, 48.5069

Deuteranopia

34.8633, 34.1953, 58.1889



Tritanopia

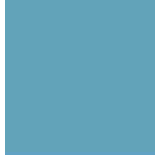
24.6242, 34.3776, 54.0529

Trichromacy



Original Color

24.9556, 34.5102, 55.7979



Protanomaly

26.8912, 32.2938, 50.7150



Deuteranomaly

27.8139, 32.3676, 57.0062



Tritanomaly

24.7339, 34.4215, 54.6306

Monochromacy



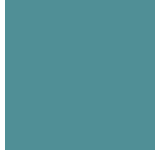
Original Color

24.9556, 34.5102, 55.7979



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

18.6357, 23.5524, 32.4180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9556, 34.5102, 55.7979 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, 175, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 193)  
}
```

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, 175, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 193) }
```

Border

The CSS property to change the border of an element to XYZ 24.9556, 34.5102, 55.7979 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, 175, 193) }
```


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

```
.border{ border-color:rgb(0, 175, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9556, 34.5102, 55.7979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 193) }
```

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

```
.background{ background-color: rgb(0, 175,  
193) }
```

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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