

Converting Colors

XYZ(31.5219, 53.3656, 54.2542)

Have a look what the booklet for
XYZ(31.5219, 53.3656, 54.2542)
contains.

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Color

**XYZ(34.2449, 54.6471,
54.0904)**

Conversions

Conversions Part 1

Format	Color
Hex	00DCB8
RGB	0, 220, 184
RGB Percent	0%, 86%, 72%
CMY	0.9999, 0.1372, 0.2784
CMYK	1.00, 0.00, 0.16, 0.14
HSL	170°, 100%, 43%
HSV	170°, 100%, 86%
XYZ	34.2449, 54.6471, 54.0904
YIQ	150.1160, -119.5640, -57.8360

Conversions

Conversions Part 2

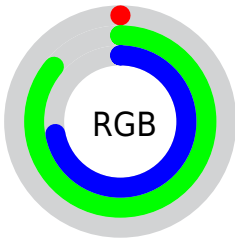
Format	Color
RYB	0, 120, 220
Decimal	56504
CIELab	78.84, -53.00, 5.11
CIELCh	79, 53.243, 174.487
Yxy	54.6471, 0.2395, 0.3822
Android (android.graphics.Color)	4278246584 (0xFF00DCB8)
YUV	150.1160, 16.7048, -131.6517
Hunter-Lab	73.9237, -46.6769, 8.3637

Details

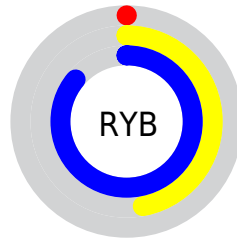
The XYZ color **34.2449, 54.6471, 54.0904** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **29.8356, 15.3445, 3.0612**, and the grayscale version is **29.0113, 30.5221, 33.2386**.

A 20% lighter version of the original color is **57.6725, 80.9994, 95.0329**, and **17.3722, 28.1896, 25.9983** is the 20% darker color. If you saturate the color by 10%, you get **34.2454, 54.6488, 54.0886**, and if you desaturate by 10%, it is **34.9600, 54.9729, 56.1208**.

Distribution



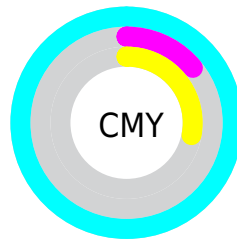
- Red (0%)
- Green (86%)
- Blue (72%)



- Red (0%)
- Yellow (47%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (14%)





- Cyan (100%)
- Magenta (14%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2449, 54.6471, 54.0904 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 34.2449, 54.6471, 54.0904 by changing the saturation by 10% instead.


 34.2449, 54.6471,
54.0904


 34.2449, 54.6471,
54.0904


312.7894,
404.5728, 419.6390


 23.2456, 39.1192,
38.2803


 65.6561, 97.0237,
97.6647


 14.8966, 26.8525,
25.8968


 86.7987, 124.6413,
126.2660


 8.8327, 17.4625,
16.5214


 112.0531,
157.0575, 159.9680

 4.6885, 10.5648,
9.7355

 141.7846,
194.6568, 199.1894

 2.0985, 5.7750,
5.1206

 176.3586,
237.8236, 244.3486

 0.6884, 2.7088,
2.2582

216.1406,

 0.0000, 0.9816,

286.9423, 295.8643

0.7077

261.4957,
342.3972, 354.1549

■ 0.0000, 0.0000,
0.0000

■ 34.2449, 54.6471,
54.0904

■ 34.2449, 54.6471,
54.0904

■ 34.2454, 54.6488,
54.0886

■ 34.9600, 54.9729,
56.1208

■ 36.0606, 55.4950,
58.2185

■ 37.6714, 56.2789,
60.3910

■ 39.8617, 57.3606,
62.6419

■ 42.6902, 58.7700,
64.9742

■ 46.2082, 60.5338,
67.3907

■ 50.4617, 62.6755,
69.8939

■ 55.4927, 65.2169,
72.4861

■ 61.3401, 68.1780,
75.1695

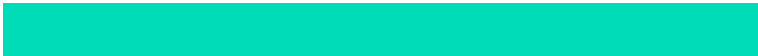
Harmonies

Analogous

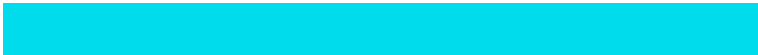
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.1100, 54.6471, 31.7216



34.2449, 54.6471, 54.0904



35.5734, 54.6471, 86.9910

Triad

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



34.2449, 54.6471, 54.0904



60.8149, 54.6471, 129.6202



64.6440, 54.6471, 23.6214

Complementary

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



34.2449, 54.6471, 54.0904



29.8356, 15.3445, 3.0612

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.



72.6859, 54.6471, 38.5149



34.2449, 54.6471, 54.0904



70.2738, 54.6471, 100.0535

Square

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



34.2449, 54.6471, 54.0904



50.0150, 54.6471, 138.1338



74.8739, 54.6471, 65.2617



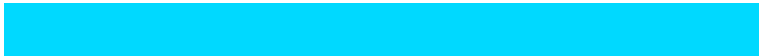
53.9146, 54.6471, 18.3719

Rectangle

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



34.2449, 54.6471, 54.0904



38.7654, 54.6471, 110.2323



74.8739, 54.6471, 65.2617



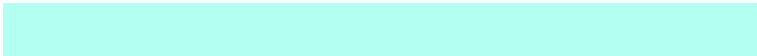
67.8062, 54.6471, 27.3579

Sweetspot

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



34.2464, 54.6492, 54.0917



70.3342, 87.4839, 97.5615



26.3464, 51.5760, 8.5675



14.4885, 18.4399, 20.5610



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.



34.2464, 54.6492, 54.0917



47.8039, 76.3376, 75.3423



23.3032, 25.9358, 71.4905



13.3486, 14.7911, 16.2985



20.1328, 32.0857, 31.9283



1.3292, 2.0886, 2.1998

Inverse Universe

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



29.8356, 15.3445, 3.0612



41.6532, 21.4253, 4.1058



31.9225, 20.0284, 2.1843



13.1425, 13.0861, 14.0118



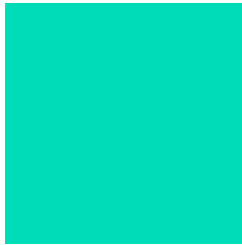
17.5363, 9.0156, 1.9385



1.1634, 0.5950, 0.2693

Previews

White Background



This preview shows how the XYZ color 34.2449, 54.6471, 54.0904 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 34.2449, 54.6471, 54.0904 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

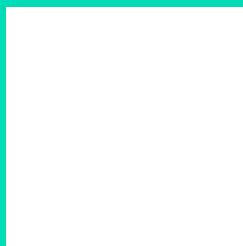
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.2449, 54.6471, 54.0904

Background



This preview shows how black text looks on a background with the XYZ color 34.2449, 54.6471, 54.0904.



This preview shows how white text looks on a background with the XYZ color 34.2449, 54.6471,

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

34.2449, 54.6471, 54.0904

Protanopia

50.6828, 53.5988, 45.7045

Deuteranopia

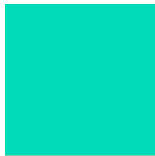
54.6149, 53.4484, 56.7283



Tritanopia

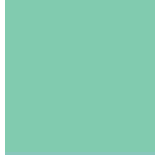
40.2680, 54.4148, 83.9821

Trichromacy



Original Color

34.2449, 54.6471, 54.0904



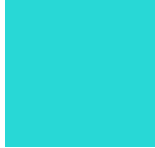
Protanomaly

38.1471, 50.4741, 48.2894



Deuteranomaly

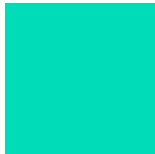
39.6539, 49.7119, 55.0823



Tritanomaly

37.5685, 54.4179, 72.1420

Monochromacy



Original Color

34.2449, 54.6471, 54.0904



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.5709, 35.7015, 39.6731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2449, 54.6471, 54.0904 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, 220, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 220, 184)  
}
```

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, 220, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 220, 184) }
```

Border

The CSS property to change the border of an element to XYZ 34.2449, 54.6471, 54.0904 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, 220, 184) }
```


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

```
.border{ border-color:rgb(0, 220, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 220, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 220, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 220, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 220,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2449, 54.6471, 54.0904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 220, 184) }
```

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

```
.background{ background-color: rgb(0, 220,  
184) }
```

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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