

Converting Colors

XYZ(33.4026, 51.9001, 54.5039)

Have a look what the booklet for
XYZ(33.4026, 51.9001, 54.5039)
contains.

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Color

**XYZ(33.4449, 51.9143,
54.7121)**

Conversions

Conversions Part 1

Format	Color
Hex	1ED6BA
RGB	30, 214, 186
RGB Percent	12%, 84%, 73%
CMY	0.8823, 0.1608, 0.2706
CMYK	0.86, 0.00, 0.13, 0.16
HSL	171°, 75%, 48%
HSV	171°, 86%, 84%
XYZ	33.4449, 51.9143, 54.7121
YIQ	155.7920, -100.6760, -47.7160

Conversions

Conversions Part 2

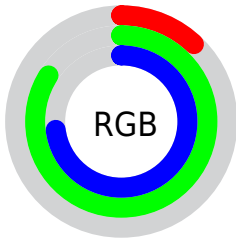
Format	Color
RYB	30, 130, 214
Decimal	2021050
CIELab	77.23, -48.86, 1.74
CIELCh	77, 48.889, 177.963
Yxy	51.9143, 0.2388, 0.3706
Android (android.graphics.Color)	4280211130 (0xFF1ED6BA)
YUV	155.7920, 14.8925, -110.3196
Hunter-Lab	72.0516, -43.2341, 5.4145

Details

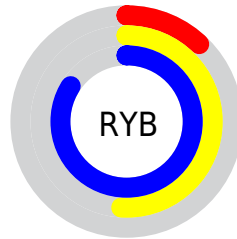
The XYZ color **33.4449, 51.9143, 54.7121** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **28.9614, 15.5317, 5.4768**, and the grayscale version is **31.4778, 33.1171, 36.0646**.

A 20% lighter version of the original color is **58.5971, 81.4415, 96.6358**, and **16.4605, 26.1472, 26.3697** is the 20% darker color. If you saturate the color by 10%, you get **32.6759, 51.5587, 52.8901**, and if you desaturate by 10%, it is **34.6471, 52.4948, 56.5979**.

Distribution



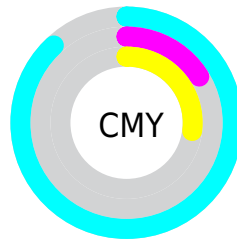
- Red (12%)
- Green (84%)
- Blue (73%)



- Red (12%)
- Yellow (51%)
- Blue (84%)



- Cyan (86%)
- Magenta (0%)
- Yellow (13%)
- Black (16%)





- Cyan (88%)
- Magenta (16%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4449, 51.9143, 54.7121 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 33.4449, 51.9143, 54.7121 by changing the saturation by 10% instead.

 33.4449, 51.9143,
54.7121


 33.4449, 51.9143,
54.7121


309.2794,
394.1057, 422.0708


 22.6283, 36.9368,
38.7742


 64.4195, 93.0048,
98.5859


 14.4385, 25.1585,
26.2777


 85.3084, 119.8866,
127.3590


 8.5100, 16.1952,
16.8038


 110.2853,
151.5053, 161.2475

 4.4775, 9.6624,
9.9343

 139.7157,
188.2453, 200.6700

 1.9757, 5.1757,
5.2504

 173.9650,
230.4909, 246.0450

 0.6202, 2.3507,
2.3336

213.3985,

 0.0000, 0.8004,

278.6266, 297.7911

0.7499

258.3815,
333.0367, 356.3269

■ 0.0000, 0.0000,
0.0000

■ 33.4449, 51.9143,
54.7121

■ 33.4449, 51.9143,
54.7121

■ 32.6759, 51.5587,
52.8901

■ 34.6471, 52.4948,
56.5979

■ 32.4324, 51.4488,
52.1708

■ 36.3528, 53.3328,
58.5475

■ 38.6237, 54.4611,
60.5653

■ 41.5113, 55.9065,
62.6540

■ 45.0614, 57.6925,
64.8160

■ 49.3155, 59.8404,
67.0534

■ 54.3114, 62.3699,
69.3683

■ 60.0845, 65.2990,
71.7626

■ 66.6677, 68.6448,
74.2381

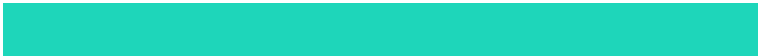
Harmonies

Analogous

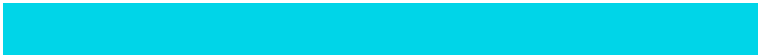
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.5970, 51.9143, 33.3430



33.4449, 51.9143, 54.7121



35.0845, 51.9143, 84.3228

Triad

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



33.4449, 51.9143, 54.7121



58.2782, 51.9143, 115.4144



59.5260, 51.9143, 23.1081

Complementary

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



33.4449, 51.9143, 54.7121



28.9614, 15.5317, 5.4768

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.



67.0199, 51.9143, 35.6269



33.4449, 51.9143, 54.7121



66.2378, 51.9143, 88.5372

Square

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



33.4449, 51.9143, 54.7121



48.7055, 51.9143, 125.3238



69.6174, 51.9143, 58.3792



49.9860, 51.9143, 19.0617

Rectangle

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



33.4449, 51.9143, 54.7121



38.2396, 51.9143, 104.1367



69.6174, 51.9143, 58.3792



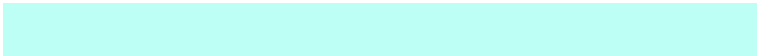
62.4111, 51.9143, 26.2211

Sweetspot

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



33.4464, 51.9163, 54.7133



73.1395, 88.8875, 99.6160



26.1868, 49.1706, 9.3401



15.1572, 18.7741, 21.0702



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.



33.4464, 51.9163, 54.7133



48.1794, 76.4877, 77.3194



24.0119, 27.8074, 67.7223



12.7072, 14.0739, 15.5384



19.6337, 31.1088, 31.6964



1.2067, 1.8853, 2.0303

Inverse Universe

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



28.9614, 15.5317, 5.4768



41.6031, 21.4052, 3.8418



31.7377, 21.9318, 3.7898



12.4995, 12.4513, 13.3048



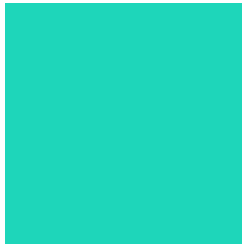
16.9484, 8.7157, 1.7664



1.0471, 0.5356, 0.2377

Previews

White Background



This preview shows how the XYZ color 33.4449, 51.9143, 54.7121 looks on a white background.

Color Contrast Check

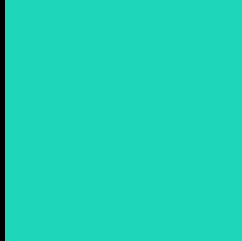
Large Text (above 18pt) WCAG AA × Fail

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 33.4449, 51.9143, 54.7121 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

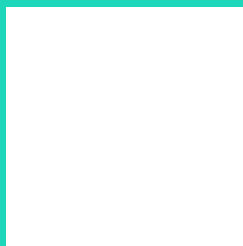
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4449, 51.9143, 54.7121

Background



This preview shows how black text looks on a background with the XYZ color 33.4449, 51.9143, 54.7121.

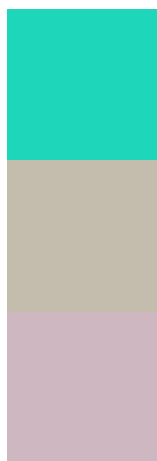


This preview shows how white text looks on a background with the XYZ color 33.4449, 51.9143,

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

33.4449, 51.9143, 54.7121

Protanopia

48.1946, 50.6808, 46.2720

Deuteranopia

52.0127, 50.8390, 57.5236



Tritanopia

38.2608, 51.6380, 79.1847

Trichromacy



Original Color

33.4449, 51.9143, 54.7121



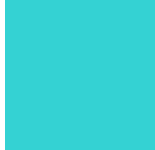
Protanomaly

38.0554, 48.3411, 48.9200



Deuteranomaly

39.7414, 48.0521, 55.8956



Tritanomaly

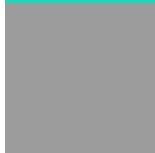
36.2206, 51.5264, 69.6646

Monochromacy



Original Color

33.4449, 51.9143, 54.7121



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.1276, 37.5493, 42.2718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4449, 51.9143, 54.7121 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(30, 214, 186)` looks like.

```
.text, #text, p{  
    color:rgb(30, 214, 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(30, 214, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 214, 186) }
```

Border

The CSS property to change the border of an element to XYZ 33.4449, 51.9143, 54.7121 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(30, 214, 186) }
```


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

```
.border{ border-color:rgb(30, 214, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 214, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 214, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 214, 186);  
box-shadow:4px 4px 4px 4px rgb(30, 214,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4449, 51.9143, 54.7121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 214, 186) }
```

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

```
.background{ background-color: rgb(30, 214,  
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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