

Converting Colors

XYZ(34.6084, 54.4938, 51.8743)

Have a look what the booklet for
XYZ(34.6084, 54.4938, 51.8743)
contains.

XYZ(34.6084, 54.4938, 51.8743)	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(34.6084, 54.4938,
51.8743)**

Conversions

Conversions Part 1

Format	Color
Hex	2CDBB4
RGB	44, 219, 180
RGB Percent	17%, 86%, 71%
CMY	0.8274, 0.1412, 0.2941
CMYK	0.80, 0.00, 0.18, 0.14
HSL	167°, 71%, 52%
HSV	167°, 80%, 86%
XYZ	34.6084, 54.4938, 51.8743
YIQ	162.2290, -91.7810, -49.2290

Conversions

Conversions Part 2

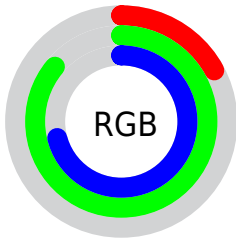
Format	Color
RYB	44, 142, 219
Decimal	2939828
CIELab	78.75, -51.36, 7.16
CIELCh	79, 51.855, 172.069
Yxy	54.4938, 0.2455, 0.3865
Android (android.graphics.Color)	4281129908 (0xFF2CDBB4)
YUV	162.2290, 8.7611, -103.6868
Hunter-Lab	73.8199, -45.5001, 10.0100

Details

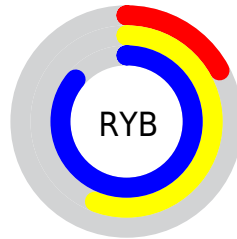
The XYZ color **34.6084, 54.4938, 51.8743** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **31.6772, 17.4873, 9.8915**, and the grayscale version is **34.4429, 36.2366, 39.4617**.

A 20% lighter version of the original color is **58.6461, 81.5692, 92.0103**, and **16.9280, 27.7267, 24.5383** is the 20% darker color. If you saturate the color by 10%, you get **33.4154, 53.9366, 49.2693**, and if you desaturate by 10%, it is **36.3177, 55.3178, 54.5973**.

Distribution



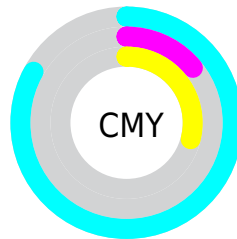
- Red (17%)
- Green (86%)
- Blue (71%)



- Red (17%)
- Yellow (56%)
- Blue (86%)



- Cyan (80%)
- Magenta (0%)
- Yellow (18%)
- Black (14%)





- Cyan (83%)
- Magenta (14%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6084, 54.4938, 51.8743 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 34.6084, 54.4938, 51.8743 by changing the saturation by 10% instead.


 34.6084, 54.4938,
51.8743


 34.6084, 54.4938,
51.8743


314.3748,
403.9902, 410.8943


 23.5265, 38.9966,
36.5233


 66.2167, 96.7989,
94.3705


 15.1056, 26.7571,
24.5458


 87.4738, 124.3756,
122.3529

 8.9803, 17.3909,
15.5230


 112.8533,
156.7475, 155.3828

 4.7853, 10.5136,
9.0366

 142.7206,
194.2991, 193.8787

 2.1553, 5.7408,
4.6679

 177.4411,
237.4148, 238.2593

 0.7190, 2.6881,
1.9985

217.3800,

 0.0000, 0.9712,

286.4790, 288.9431

0.5543

262.9028,
341.8760, 346.3486

■ 0.0000, 0.0000,
0.0000

■ 34.6084, 54.4938,
51.8743

■ 34.6084, 54.4938,
51.8743

■ 33.4154, 53.9366,
49.2693

■ 36.3177, 55.3178,
54.5973

■ 32.6135, 53.5776,
46.7718

■ 38.6074, 56.4377,
57.4387

■ 32.6065, 53.5745,
46.7486

■ 41.5370, 57.8854,
60.4032

■ 45.1573, 59.6870,
63.4942

■ 49.5138, 61.8662,
66.7146

■ 54.6483, 64.4442,
70.0673

■ 60.5991, 67.4409,
73.5550

■ 67.4023, 70.8749,
77.1800

■ 75.0914, 74.7634,
80.9449

Harmonies

Analogous

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



37.7396, 54.4938, 30.9375



34.6084, 54.4938, 51.8743



35.5779, 54.4938, 83.1964

Triad

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



34.6084, 54.4938, 51.8743



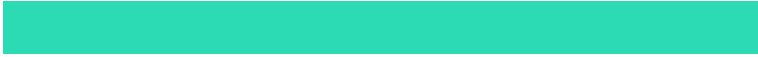
59.5667, 54.4938, 128.6128



64.8940, 54.4938, 24.9945

Complementary

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



34.6084, 54.4938, 51.8743



31.6772, 17.4873, 9.8915

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.



72.3145, 54.4938, 40.5363



34.6084, 54.4938, 51.8743



68.9668, 54.4938, 101.2866

Square

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



34.6084, 54.4938, 51.8743



49.1198, 54.4938, 134.7359



73.8958, 54.4938, 67.4777



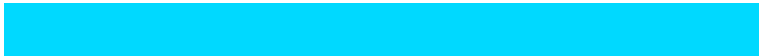
54.5651, 54.4938, 19.1220

Rectangle

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



34.6084, 54.4938, 51.8743



38.4858, 54.4938, 105.8159



73.8958, 54.4938, 67.4777



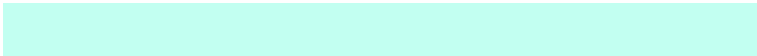
67.8646, 54.4938, 28.9570

Sweetspot

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



34.6099, 54.4959, 51.8756



73.8879, 89.3353, 96.8505



29.5191, 52.7707, 11.0137



15.2672, 18.8465, 20.3676



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.



34.6099, 54.4959, 51.8756



46.3646, 75.7766, 67.0965



28.6427, 35.2843, 72.3212



13.3142, 14.7773, 16.1174



19.3762, 31.7831, 27.9444



1.2865, 2.0716, 1.9748

Inverse Universe

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



31.6772, 17.4873, 9.8915



42.2979, 21.8603, 6.9547



33.3825, 22.6691, 4.9998



13.1743, 13.0988, 14.1790



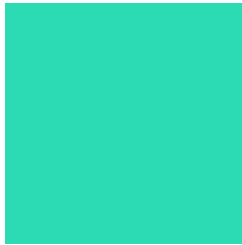
17.6825, 9.0741, 2.7084



1.1783, 0.6009, 0.3477

Previews

White Background



This preview shows how the XYZ color 34.6084, 54.4938, 51.8743 looks on a white background.

Color Contrast Check

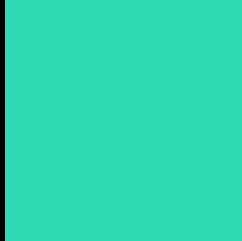
Large Text (above 18pt) WCAG AA × Fail

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 34.6084, 54.4938, 51.8743 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

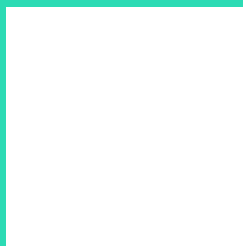
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.6084, 54.4938, 51.8743

Background



This preview shows how black text looks on a background with the XYZ color 34.6084, 54.4938, 51.8743.

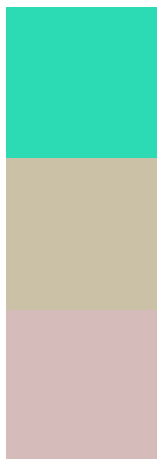


This preview shows how white text looks on a background with the XYZ color 34.6084, 54.4938,

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

34.6084, 54.4938, 51.8743

Protanopia

50.5815, 53.5896, 43.7543

Deuteranopia

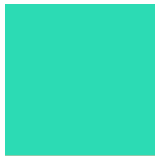
54.4715, 53.4246, 54.4547



Tritanopia

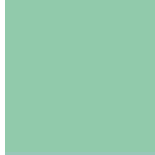
40.6668, 54.2806, 82.4626

Trichromacy



Original Color

34.6084, 54.4938, 51.8743



Protanomaly

40.1483, 51.2011, 46.2948



Deuteranomaly

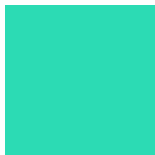
42.0240, 50.9829, 52.9732



Tritanomaly

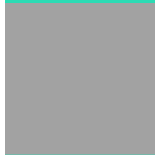
38.1727, 54.3940, 70.1152

Monochromacy



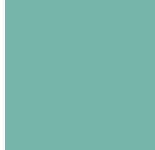
Original Color

34.6084, 54.4938, 51.8743



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.7027, 40.6535, 43.7121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6084, 54.4938, 51.8743 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(44, 219, 180)` looks like.

```
.text, #text, p{  
  color:rgb(44, 219, 180)  
}
```

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(44, 219, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 219, 180) }
```

Border

The CSS property to change the border of an element to XYZ 34.6084, 54.4938, 51.8743 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(44, 219, 180) }
```


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

```
.border{ border-color:rgb(44, 219, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 219, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 219, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 219, 180);  
box-shadow:4px 4px 4px 4px rgb(44, 219,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6084, 54.4938, 51.8743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 219, 180) }
```

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

```
.background{ background-color: rgb(44, 219,  
180) }
```

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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