

Converting Colors

XYZ(34.9466, 51.7951, 44.4904)

Have a look what the booklet for
XYZ(34.9466, 51.7951, 44.4904)
contains.

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Color

**XYZ(34.9886, 51.8114,
44.7157)**

Conversions

Conversions Part 1

Format	Color
Hex	5FD3A7
RGB	95, 211, 167
RGB Percent	37%, 83%, 65%
CMY	0.6274, 0.1725, 0.3451
CMYK	0.55, 0.00, 0.21, 0.17
HSL	157°, 57%, 60%
HSV	157°, 55%, 83%
XYZ	34.9886, 51.8114, 44.7157
YIQ	171.3000, -55.0120, -38.2760

Conversions

Conversions Part 2

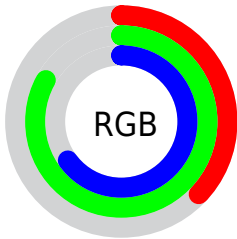
Format	Color
RYB	95, 167, 211
Decimal	6280103
CIELab	77.17, -43.24, 11.97
CIELCh	77, 44.870, 164.523
Yxy	51.8114, 0.2660, 0.3940
Android (android.graphics.Color)	4284470183 (0xFF5FD3A7)
YUV	171.3000, -2.1199, -66.9151
Hunter-Lab	71.9801, -39.1987, 13.5538

Details

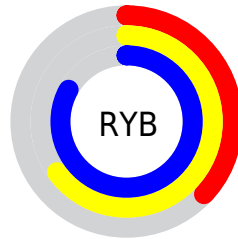
The XYZ color **34.9886, 51.8114, 44.7157** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **35.6181, 23.8986, 27.1636**, and the grayscale version is **38.8908, 40.9162, 44.5577**.

A 20% lighter version of the original color is **62.0817, 83.5662, 81.9651**, and **15.3839, 25.2214, 20.2771** is the 20% darker color. If you saturate the color by 10%, you get **32.3695, 50.5454, 40.8501**, and if you desaturate by 10%, it is **38.2498, 53.4058, 48.8527**.

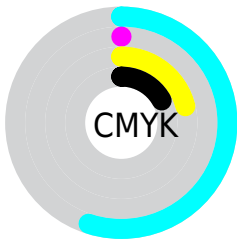
Distribution



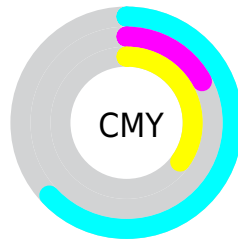
- Red (37%)
- Green (83%)
- Blue (65%)



- Red (37%)
- Yellow (65%)
- Blue (83%)



- Cyan (55%)
- Magenta (0%)
- Yellow (21%)
- Black (17%)





- Cyan (63%)
- Magenta (17%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9886, 51.8114, 44.7157 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 34.9886, 51.8114, 44.7157 by changing the saturation by 10% instead.


 34.9886, 51.8114,
44.7157

 34.9886, 51.8114,
44.7157


316.0269,
393.7081, 381.7474


 23.8206, 36.8548,
30.8922


 66.8022, 92.8530,
83.6075


 15.3246, 25.0951,
20.2590


 88.1786, 119.7068,
109.5130

 9.1353, 16.1479,
12.3975


 113.6884,
151.2951, 140.2829

 4.8874, 9.6289,
6.8892

 143.6970,
188.0023, 176.3357

 2.2154, 5.1536,
3.3155

178.5698,
230.2128, 218.0901

 0.7508, 2.3377,
1.2579

218.6722,

 0.0000, 0.7935,

278.3110, 265.9644

0.0269

264.3694,
332.6813, 320.3774

■ 0.0000, 0.0000,
0.0000

■ 34.9886, 51.8114,
44.7157

■ 34.9886, 51.8114,
44.7157

■ 32.3695, 50.5454,
40.8501

■ 38.2498, 53.4058,
48.8527

■ 30.3384, 49.5760,
37.2457

■ 42.1934, 55.3452,
53.2638

■ 28.8388, 48.8755,
33.8966

■ 46.8611, 57.6525,
57.9562

■ 27.8002, 48.4077,
30.7950

■ 52.2900, 60.3466,
62.9355

■ 27.3895, 48.2281,
29.3256

■ 58.5147, 63.4454,
68.2072

■ 65.5676, 66.9653,
73.7767

■ 73.4790, 70.9220,
79.6491

■ 78.9636, 73.6217,
85.6742

■ 80.1206, 74.0845,
91.7668

Harmonies

Analogous

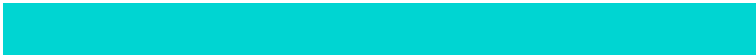
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.5539, 51.8114, 28.9758



34.9886, 51.8114, 44.7157



34.9320, 51.8114, 69.1184

Triad

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



34.9886, 51.8114, 44.7157



53.5016, 51.8114, 115.6669



61.9763, 51.8114, 29.3343

Complementary

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



34.9886, 51.8114, 44.7157



35.6181, 23.8986, 27.1636

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.



67.0150, 51.8114, 45.3700



34.9886, 51.8114, 44.7157



61.7500, 51.8114, 97.2765

Square

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



34.9886, 51.8114, 44.7157



44.9704, 51.8114, 115.3384



66.9277, 51.8114, 69.9925



53.7826, 51.8114, 22.0183

Rectangle

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



34.9886, 51.8114, 44.7157



36.8589, 51.8114, 87.6707



66.9277, 51.8114, 69.9925



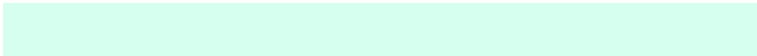
64.1353, 51.8114, 33.6395

Sweetspot

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



34.9900, 51.8135, 44.7169



79.2074, 92.1092, 95.6717



36.0870, 52.9461, 19.1449



16.5678, 19.5235, 20.1317



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.



34.9900, 51.8135, 44.7169



49.0841, 77.3004, 61.7158



36.5512, 47.2828, 68.8304



11.9603, 13.3279, 14.1475



16.5802, 29.1250, 17.9673



0.9650, 1.6437, 1.2045

Inverse Universe

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



35.6181, 23.8986, 27.1636



50.1726, 30.2474, 32.2768



34.3500, 25.5143, 13.9415



11.9916, 11.8814, 13.2317



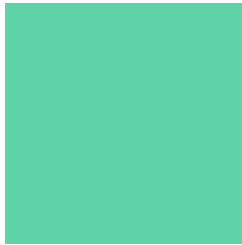
17.1333, 8.7261, 5.6080



0.9962, 0.5032, 0.5146

Previews

White Background



This preview shows how the XYZ color 34.9886, 51.8114, 44.7157 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 34.9886, 51.8114, 44.7157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

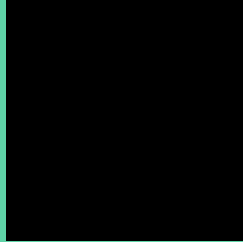
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

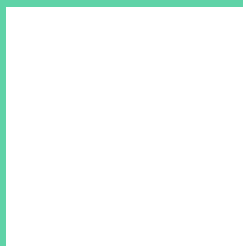
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9886, 51.8114, 44.7157

Background



This preview shows how black text looks on a background with the XYZ color 34.9886, 51.8114, 44.7157.

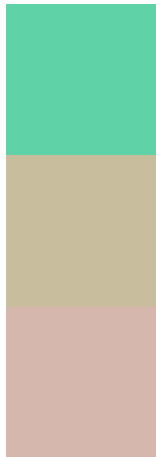


This preview shows how white text looks on a background with the XYZ color 34.9886, 51.8114,

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

34.9886, 51.8114, 44.7157

Protanopia

48.0178, 51.0749, 38.7801

Deuteranopia

51.9169, 51.0302, 46.6487



Tritanopia

41.1932, 51.7978, 75.5370

Trichromacy



Original Color

34.9886, 51.8114, 44.7157



Protanomaly

41.2117, 50.1520, 40.7659



Deuteranomaly

42.9982, 49.6263, 45.8407



Tritanomaly

38.7993, 51.9069, 63.2324

Monochromacy



Original Color

34.9886, 51.8114, 44.7157



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.1423, 43.8597, 44.5911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9886, 51.8114, 44.7157 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(95, 211, 167)` looks like.

```
.text, #text, p{  
    color:rgb(95, 211, 167)  
}
```

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(95, 211, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 211, 167) }
```

Border

The CSS property to change the border of an element to XYZ 34.9886, 51.8114, 44.7157 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(95, 211, 167) }
```


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

```
.border{ border-color:rgb(95, 211, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 211, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 211, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 211, 167);  
box-shadow:4px 4px 4px 4px rgb(95, 211,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9886, 51.8114, 44.7157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 211, 167) }
```

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

```
.background{ background-color: rgb(95, 211,  
167) }
```

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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