

Converting Colors

XYZ(34.3474, 51.5317, 49.9486)

Have a look what the booklet for
XYZ(34.3474, 51.5317, 49.9486)
contains.

XYZ(34.2106, 51.2994, 49.6937)	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(34.2106, 51.2994,
49.6937)**

Conversions

Conversions Part 1

Format	Color
Hex	4CD3B1
RGB	76, 211, 177
RGB Percent	30%, 83%, 69%
CMY	0.7019, 0.1725, 0.3059
CMYK	0.64, 0.00, 0.16, 0.17
HSL	165°, 61%, 56%
HSV	165°, 64%, 83%
XYZ	34.2106, 51.2994, 49.6937
YIQ	166.7590, -69.5460, -39.1940

Conversions

Conversions Part 2

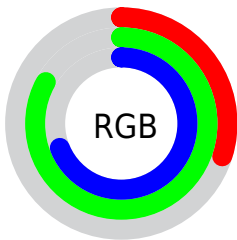
Format	Color
RYB	76, 153, 211
Decimal	5034929
CIELab	76.86, -44.59, 6.12
CIELCh	77, 45.009, 172.186
Yxy	51.2994, 0.2530, 0.3794
Android (android.graphics.Color)	4283225009 (0xFF4CD3B1)
YUV	166.7590, 5.0488, -79.5956
Hunter-Lab	71.6236, -40.0818, 9.0001

Details

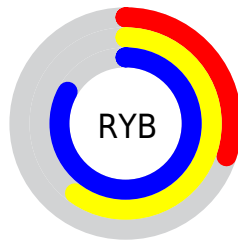
The XYZ color **34.2106, 51.2994, 49.6937** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **32.2646, 20.1449, 16.9416**, and the grayscale version is **36.6152, 38.5221, 41.9505**.

A 20% lighter version of the original color is **60.9492, 82.8065, 89.8617**, and **15.5266, 25.2322, 23.1207** is the 20% darker color. If you saturate the color by 10%, you get **32.2819, 50.3664, 46.8927**, and if you desaturate by 10%, it is **36.7124, 52.5280, 52.6315**.

Distribution



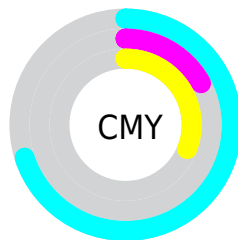
- Red (30%)
- Green (83%)
- Blue (69%)



- Red (30%)
- Yellow (60%)
- Blue (83%)



- Cyan (64%)
- Magenta (0%)
- Yellow (16%)
- Black (17%)



- Cyan (70%)
- Magenta (17%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2106, 51.2994, 49.6937 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 34.2106, 51.2994, 49.6937 by changing the saturation by 10% instead.

■ 34.2106, 51.2994,
49.6937

■ 34.2106, 51.2994,
49.6937

312.6395,
391.7259, 402.1676

■ 23.2191, 36.4469,
34.8006

■ 65.6032, 92.0972,
91.1125

■ 14.8769, 24.7796,
23.2270

■ 86.7349, 118.8113,
118.4753

■ 8.8188, 15.9129,
14.5543

■ 111.9775,
150.2481, 150.8318

■ 4.6794, 9.4625,
8.3641

■ 141.6961,
186.7919, 188.6004

■ 2.0932, 5.0441,
4.2377

176.2563,
228.8272, 232.1997

■ 0.6855, 2.2732,
1.7566

216.0234,

■ 0.0000, 0.7594,

276.7384, 282.0484

0.3991

261.3627,
330.9098, 338.5648

■ 0.0000, 0.0000,
0.0000

■ 34.2106, 51.2994,
49.6937

■ 34.2106, 51.2994,
49.6937

■ 32.2819, 50.3664,
46.8927

■ 36.7124, 52.5280,
52.6315

■ 30.8656, 49.6940,
44.2210

■ 39.8317, 54.0712,
55.7060

■ 29.8950, 49.2489,
41.6755

■ 43.6133, 55.9535,
58.9215

■ 29.4545, 49.0541,
40.1999

■ 48.0968, 58.1951,
62.2811

■ 53.3184, 60.8147,
65.7876

■ 59.3118, 63.8297,
69.4437

■ 66.1086, 67.2563,
73.2520

■ 73.7388, 71.1100,
77.2150

■ 78.1029, 73.2774,
81.1418

Harmonies

Analogous

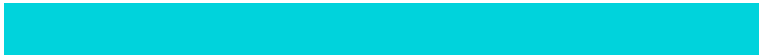
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.8841, 51.2994, 31.6667



34.2106, 51.2994, 49.6937



35.0586, 51.2994, 75.6006

Triad

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



34.2106, 51.2994, 49.6937



55.2374, 51.2994, 111.8163



59.5544, 51.2994, 26.2940

Complementary

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



34.2106, 51.2994, 49.6937



32.2646, 20.1449, 16.9416

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.



65.6303, 51.2994, 39.8890



34.2106, 51.2994, 49.6937



62.9418, 51.2994, 90.0017

Square

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



34.2106, 51.2994, 49.6937



46.5564, 51.2994, 116.7320



66.9374, 51.2994, 62.5085



51.0291, 51.2994, 20.9775

Rectangle

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



34.2106, 51.2994, 49.6937



37.5580, 51.2994, 93.8396



66.9374, 51.2994, 62.5085



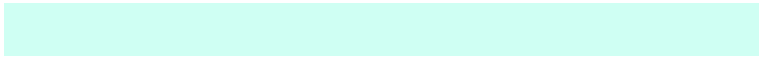
61.9901, 51.2994, 29.8177

Sweetspot

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



34.2120, 51.3014, 49.6949



77.5136, 91.1795, 98.1474



31.2825, 50.5572, 14.9482



16.1071, 19.2735, 20.6768



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.



34.2120, 51.3014, 49.6949



48.6284, 76.8733, 70.3786



30.9605, 38.6826, 67.4651



12.0258, 13.3541, 14.4925



17.8182, 29.6202, 24.4866



1.0271, 1.6685, 1.5316

Inverse Universe

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



32.2646, 20.1449, 16.9416



45.4984, 25.4370, 16.7283



33.4801, 24.9922, 9.8978



11.9292, 11.8564, 12.9027



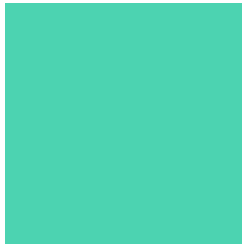
16.6373, 8.5278, 2.9963



0.9628, 0.4898, 0.3389

Previews

White Background



This preview shows how the XYZ color 34.2106, 51.2994, 49.6937 looks on a white background.

Color Contrast Check

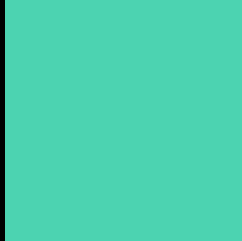
Large Text (above 18pt) WCAG AA × Fail

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 34.2106, 51.2994, 49.6937 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

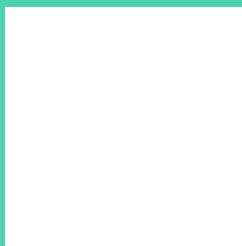
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.2106, 51.2994, 49.6937

Background



This preview shows how black text looks on a background with the XYZ color 34.2106, 51.2994, 49.6937.



This preview shows how white text looks on a background with the XYZ color 34.2106, 51.2994,

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

34.2106, 51.2994, 49.6937

Protanopia

47.8007, 50.5534, 42.8357

Deuteranopia

51.2876, 50.2847, 51.8025



Tritanopia

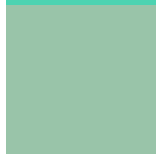
39.4986, 51.2628, 76.2195

Trichromacy



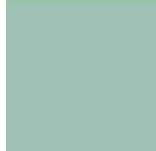
Original Color

34.2106, 51.2994, 49.6937



Protanomaly

40.0382, 49.1167, 44.9064



Deuteranomaly

41.9077, 48.9497, 50.9555



Tritanomaly

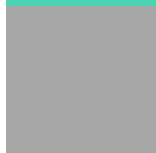
37.2627, 51.0597, 65.6492

Monochromacy



Original Color

34.2106, 51.2994, 49.6937



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.1157, 41.8756, 44.8128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2106, 51.2994, 49.6937 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(76, 211, 177)` looks like.

```
.text, #text, p{  
    color:rgb(76, 211, 177)  
}
```

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(76, 211, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 211, 177) }
```

Border

The CSS property to change the border of an element to XYZ 34.2106, 51.2994, 49.6937 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(76, 211, 177) }
```


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

```
.border{ border-color:rgb(76, 211, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 211, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(76, 211, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(76, 211, 177); box-shadow:4px 4px 4px 4px rgb(76, 211, 177) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2106, 51.2994, 49.6937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 211, 177) }
```

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

```
.background{ background-color: rgb(76, 211,  
177) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor