

Converting Colors

XYZ(34.0707, 50.7334, 48.5398)

Have a look what the booklet for
XYZ(34.0707, 50.7334, 48.5398)
contains.

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Color

**XYZ(34.1778, 50.9377,
48.5880)**

Conversions

Conversions Part 1

Format	Color
Hex	51D2AF
RGB	81, 210, 175
RGB Percent	32%, 82%, 69%
CMY	0.6823, 0.1765, 0.3137
CMYK	0.61, 0.00, 0.17, 0.18
HSL	164°, 59%, 57%
HSV	164°, 61%, 82%
XYZ	34.1778, 50.9377, 48.5880
YIQ	167.4390, -65.6490, -38.2330

Conversions

Conversions Part 2

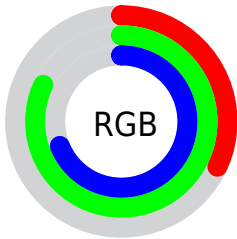
Format	Color
RYB	81, 156, 210
Decimal	5362351
CIELab	76.64, -43.76, 6.89
CIElCh	77, 44.301, 171.050
Yxy	50.9377, 0.2556, 0.3810
Android (android.graphics.Color)	4283552431 (0xFF51D2AF)
YUV	167.4390, 3.7276, -75.8070
Hunter-Lab	71.3707, -39.4190, 9.5958

Details

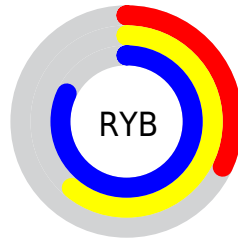
The XYZ color **34.1778, 50.9377, 48.5880** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **32.6749, 20.8488, 18.8270**, and the grayscale version is **36.9514, 38.8757, 42.3357**.

A 20% lighter version of the original color is **61.3391, 83.0403, 88.3968**, and **15.2965, 24.8728, 22.7336** is the 20% darker color. If you saturate the color by 10%, you get **32.1012, 49.9317, 45.6316**, and if you desaturate by 10%, it is **36.8372, 52.2439, 51.6973**.

Distribution



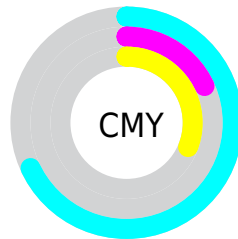
- Red (32%)
- Green (82%)
- Blue (69%)



- Red (32%)
- Yellow (61%)
- Blue (82%)



- Cyan (61%)
- Magenta (0%)
- Yellow (17%)
- Black (18%)





- Cyan (68%)
- Magenta (18%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1778, 50.9377, 48.5880 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 34.1778, 50.9377, 48.5880 by changing the saturation by 10% instead.


 34.1778, 50.9377,
48.5880


 34.1778, 50.9377,
48.5880


312.4961,
390.3217, 397.6938


 23.1938, 36.1590,
33.9295


 65.5525, 91.5627,
89.4539


 14.8581, 24.5570,
22.5625


 86.6739, 118.1778,
116.4983

 8.8055, 15.7473,
14.0685


 111.9051,
149.5071, 148.5085

 4.6707, 9.3455,
8.0291

 141.6115,
185.9351, 185.9029

 2.0881, 4.9672,
4.0255

176.1585,
227.8462, 229.1001

 0.6827, 2.2281,
1.6393

215.9113,

 0.0000, 0.7352,

275.6247, 278.5186

0.3187

261.2354,
329.6551, 334.5770

■ 0.0000, 0.0000,
0.0000

■ 34.1778, 50.9377,
48.5880

■ 34.1778, 50.9377,
48.5880

■ 32.1012, 49.9317,
45.6316

■ 36.8372, 52.2439,
51.6973

■ 30.5496, 49.1925,
42.8204

■ 40.1219, 53.8684,
54.9595

■ 29.4606, 48.6890,
40.1511

■ 44.0751, 55.8348,
58.3792

■ 28.7991, 48.3956,
37.9701

■ 48.7350, 58.1627,
61.9596

■ 54.1369, 60.8702,
65.7038

■ 60.3136, 63.9742,
69.6147

■ 67.2960, 67.4906,
73.6950

■ 75.1131, 71.4345,
77.9476

■ 78.0541, 72.8616,
82.1064

Harmonies

Analogous

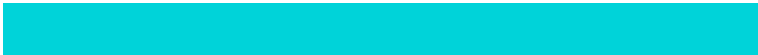
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.9333, 50.9377, 31.2155



34.1778, 50.9377, 48.5880



34.8795, 50.9377, 73.7442

Triad

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



34.1778, 50.9377, 48.5880



54.4362, 50.9377, 110.6425



59.2677, 50.9377, 26.7576

Complementary

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



34.1778, 50.9377, 48.5880



32.6749, 20.8488, 18.8270

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.



65.0642, 50.9377, 40.4833



34.1778, 50.9377, 48.5880



62.0587, 50.9377, 89.8264

Square

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



34.1778, 50.9377, 48.5880



45.9508, 50.9377, 114.6803



66.1406, 50.9377, 62.9566



50.9653, 50.9377, 21.2248

Rectangle

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



34.1778, 50.9377, 48.5880



37.2510, 50.9377, 91.6244



66.1406, 50.9377, 62.9566



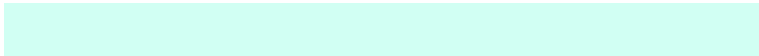
61.6120, 50.9377, 30.3409

Sweetspot

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



34.1792, 50.9397, 48.5892



78.1919, 91.5336, 97.9814



31.9437, 50.5095, 15.8511



16.2324, 19.3397, 20.6114



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.



34.1792, 50.9397, 48.5892



48.9020, 77.0387, 69.2930



31.7660, 39.8808, 66.9986



12.0158, 13.3501, 14.4394



17.6104, 29.5371, 23.3922



1.0169, 1.6644, 1.4779

Inverse Universe

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



32.6749, 20.8488, 18.8270



46.4462, 26.4877, 19.6491



33.5285, 25.2238, 10.8870



11.9386, 11.8602, 12.9526



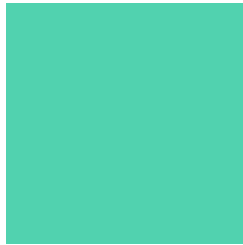
16.6990, 8.5524, 3.3210



0.9673, 0.4916, 0.3627

Previews

White Background



This preview shows how the XYZ color 34.1778, 50.9377, 48.5880 looks on a white background.

Color Contrast Check

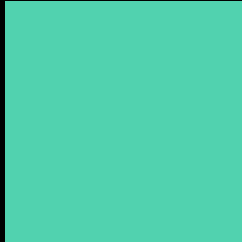
Large Text (above 18pt) WCAG AA × Fail

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 34.1778, 50.9377, 48.5880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

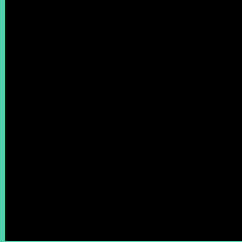
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

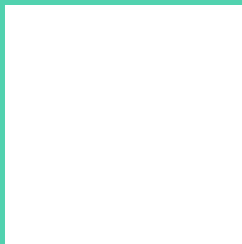
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.1778, 50.9377, 48.5880

Background



This preview shows how black text looks on a background with the XYZ color 34.1778, 50.9377, 48.5880.

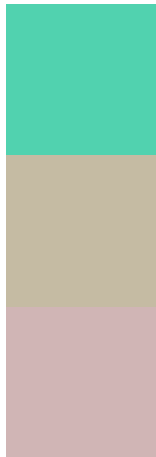


This preview shows how white text looks on a background with the XYZ color 34.1778, 50.9377,

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

34.1778, 50.9377, 48.5880

Protanopia

47.4071, 50.0553, 41.8133

Deuteranopia

50.8768, 49.7938, 50.6457



Tritanopia

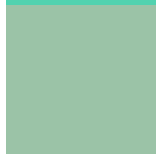
39.5481, 50.9497, 75.4600

Trichromacy



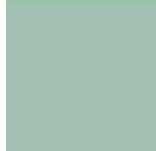
Original Color

34.1778, 50.9377, 48.5880



Protanomaly

40.0077, 48.7888, 43.8678



Deuteranomaly

41.8866, 48.6353, 49.8277



Tritanomaly

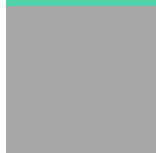
37.3840, 50.7776, 64.9574

Monochromacy



Original Color

34.1778, 50.9377, 48.5880



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.3425, 42.0035, 44.3277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1778, 50.9377, 48.5880 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(81, 210, 175)` looks like.

```
.text, #text, p{  
    color:rgb(81, 210, 175)  
}
```

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(81, 210, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 210, 175) }
```

Border

The CSS property to change the border of an element to XYZ 34.1778, 50.9377, 48.5880 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(81, 210, 175) }
```


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

```
.border{ border-color:rgb(81, 210, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 210, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 210, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 210, 175);  
box-shadow:4px 4px 4px 4px rgb(81, 210,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1778, 50.9377, 48.5880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 210, 175) }
```

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

```
.background{ background-color: rgb(81, 210,  
175) }
```

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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