

Converting Colors

XYZ(38.3251, 52.7759, 40.8577)

Have a look what the booklet for
XYZ(38.3251, 52.7759, 40.8577)
contains.

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Color

**XYZ(38.4185, 52.9294,
40.9924)**

Conversions

Conversions Part 1

Format	Color
Hex	83D19F
RGB	131, 209, 159
RGB Percent	51%, 82%, 62%
CMY	0.4863, 0.1804, 0.3765
CMYK	0.37, 0.00, 0.24, 0.18
HSL	142°, 46%, 67%
HSV	142°, 37%, 82%
XYZ	38.4185, 52.9294, 40.9924
YIQ	179.9780, -30.4380, -32.0860

Conversions

Conversions Part 2

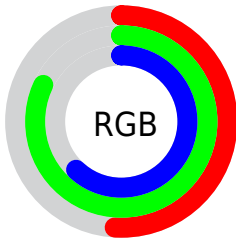
Format	Color
RYB	131, 188, 209
Decimal	8638879
CIELab	77.83, -34.76, 17.37
CIELCh	78, 38.861, 153.455
Yxy	52.9294, 0.2903, 0.3999
Android (android.graphics.Color)	4286828959 (0xFF83D19F)
YUV	179.9780, -10.3422, -42.9537
Hunter-Lab	72.7526, -33.0565, 17.5199

Details

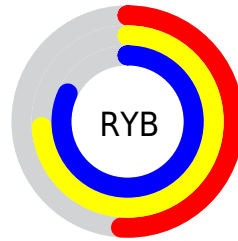
The XYZ color **38.4185, 52.9294, 40.9924** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **42.7530, 33.1252, 47.8585**, and the grayscale version is **43.4372, 45.6993, 49.7665**.

A 20% lighter version of the original color is **68.1473, 86.8141, 76.7834**, and **17.2700, 25.7505, 17.9700** is the 20% darker color. If you saturate the color by 10%, you get **34.4020, 50.9874, 35.0613**, and if you desaturate by 10%, it is **43.2168, 55.2628, 47.6203**.

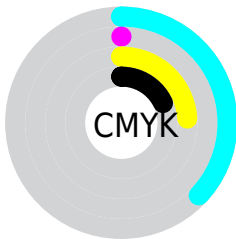
Distribution



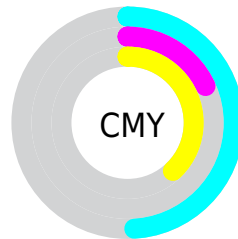
- Red (51%)
- Green (82%)
- Blue (62%)



- Red (51%)
- Yellow (74%)
- Blue (82%)



- Cyan (37%)
- Magenta (0%)
- Yellow (24%)
- Black (18%)





- Cyan (49%)
- Magenta (18%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4185, 52.9294, 40.9924 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 38.4185, 52.9294, 40.9924 by changing the saturation by 10% instead.


 38.4185, 52.9294,
40.9924


 38.4185, 52.9294,
40.9924

330.6617,
398.0142, 365.9646


 26.4863, 37.7464,
27.9935


 72.0489, 94.5005,
77.9259

 17.3224, 25.7859,
18.0818


 94.4779, 121.6573,
102.6976

 10.5614, 16.6636,
10.8386


 121.1365,
153.5743, 132.2306

 5.8378, 9.9949,
5.8456

152.3901,
190.6357, 166.9435

 2.7864, 5.3956,
2.6842

188.6041,
233.2261, 207.2548

 1.0419, 2.4812,
0.9354

230.1438,

 0.0000, 0.8672,

281.7296, 253.5830

0.0000

277.3745,
336.5309, 306.3468

■ 0.0000, 0.0000,
0.0000

■ 38.4185, 52.9294,
40.9924

■ 38.4185, 52.9294,
40.9924

■ 34.4020, 50.9874,
35.0613

■ 43.2168, 55.2628,
47.6203

■ 31.1195, 49.4083,
29.8004

■ 48.8327, 58.0012,
54.9632

■ 28.5246, 48.1700,
25.1868


■ 55.3048, 61.1655,
63.0431


■ 26.5632, 47.2452,
21.1947


■ 62.6680, 64.7734,
71.8799


■ 25.1726, 46.6021,
17.7965


■ 70.9551, 68.8414,
81.4930

 24.2688, 46.1980,
14.9618

 79.6790, 73.1179,
91.8765

 24.0723, 46.1113,
14.2928

 81.7371, 73.9412,
102.7145

 82.0915, 74.0829,
104.5805

Harmonies

Analogous

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



42.7296, 52.9294, 29.4620



38.4185, 52.9294, 40.9924



37.1770, 52.9294, 60.1702

Triad

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



38.4185, 52.9294, 40.9924



51.1868, 52.9294, 109.8194



63.4021, 52.9294, 37.6344

Complementary

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



38.4185, 52.9294, 40.9924



42.7530, 33.1252, 47.8585

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.



66.2151, 52.9294, 55.1645



38.4185, 52.9294, 40.9924



58.7329, 52.9294, 99.6882

Square

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



38.4185, 52.9294, 40.9924



44.1016, 52.9294, 103.3382



64.4272, 52.9294, 78.2546



57.0706, 52.9294, 27.8907

Rectangle

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



38.4185, 52.9294, 40.9924



38.1430, 52.9294, 75.7919



64.4272, 52.9294, 78.2546



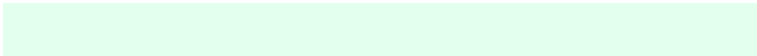
64.8177, 52.9294, 42.6311

Sweetspot

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



38.4199, 52.9316, 40.9936



82.7116, 93.9583, 93.9118



46.1196, 57.1506, 30.0736



17.4038, 19.9643, 19.7273



0.0000, 0.0000, 0.0000



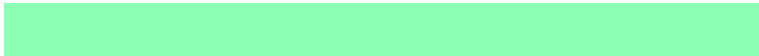
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.4199, 52.9316, 40.9936



55.0033, 80.4715, 56.5876



42.2746, 54.4735, 61.2923



11.8291, 13.2754, 13.4566



14.8847, 28.4468, 9.0389



0.8698, 1.6056, 0.7029

Inverse Universe

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



42.7530, 33.1252, 47.8585



62.7678, 44.9346, 68.8552



39.3475, 31.7630, 29.9253



12.1232, 11.9340, 13.9244



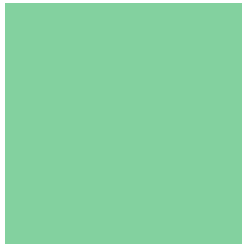
18.9131, 9.4381, 14.9804



1.0947, 0.5426, 1.0334

Previews

White Background



This preview shows how the XYZ color 38.4185, 52.9294, 40.9924 looks on a white background.

Color Contrast Check

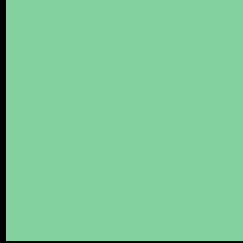
Large Text (above 18pt) WCAG AA × Fail

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 38.4185, 52.9294, 40.9924 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 38.4185, 52.9294, 40.9924

Background



This preview shows how black text looks on a background with the XYZ color 38.4185, 52.9294, 40.9924.

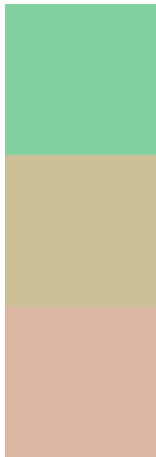


This preview shows how white text looks on a background with the XYZ color 38.4185, 52.9294,

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

38.4185, 52.9294, 40.9924

Protanopia

49.1186, 52.3333, 36.7907

Deuteranopia

53.3565, 52.1770, 42.3809



Tritanopia

44.9126, 52.7123, 73.4530

Trichromacy



Original Color

38.4185, 52.9294, 40.9924



Protanomaly

44.1583, 52.0684, 38.2947



Deuteranomaly

46.3306, 51.4399, 41.6694



Tritanomaly

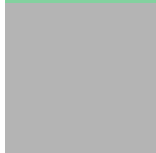
42.2041, 52.6602, 60.1646

Monochromacy



Original Color

38.4185, 52.9294, 40.9924



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

40.9775, 47.9215, 46.1198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4185, 52.9294, 40.9924 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(131, 209, 159)` looks like.

```
.text, #text, p{  
    color:rgb(131, 209, 159)  
}
```

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(131, 209, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 209, 159) }
```

Border

The CSS property to change the border of an element to XYZ 38.4185, 52.9294, 40.9924 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(131, 209, 159) }
```


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

```
.border{ border-color:rgb(131, 209, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 209, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 209, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 209, 159); box-shadow:4px 4px 4px 4px rgb(131, 209, 159) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4185, 52.9294, 40.9924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 209, 159) }
```

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

```
.background{ background-color: rgb(131,  
209, 159) }
```

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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