

Converting Colors

XYZ(38.5059, 51.1838, 40.0205)

Have a look what the booklet for
XYZ(38.5059, 51.1838, 40.0205)
contains.

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Color

**XYZ(38.5796, 51.2298,
40.2027)**

Conversions

Conversions Part 1

Format	Color
Hex	8CCC9E
RGB	140, 204, 158
RGB Percent	55%, 80%, 62%
CMY	0.4510, 0.2000, 0.3804
CMYK	0.31, 0.00, 0.23, 0.20
HSL	137°, 39%, 67%
HSV	137°, 31%, 80%
XYZ	38.5796, 51.2298, 40.2027
YIQ	179.6200, -23.3780, -27.8740

Conversions

Conversions Part 2

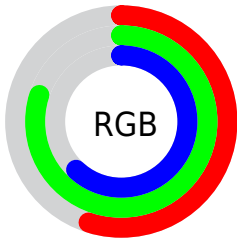
Format	Color
RYB	140, 190, 204
Decimal	9227422
CIELab	76.82, -29.87, 16.55
CIElCh	77, 34.150, 151.012
Yxy	51.2298, 0.2967, 0.3940
Android (android.graphics.Color)	4287417502 (0xFF8CCC9E)
YUV	179.6200, -10.6587, -34.7467
Hunter-Lab	71.5750, -29.0431, 16.8001

Details

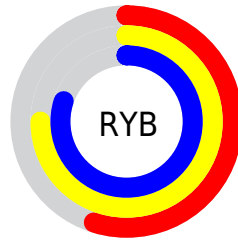
The XYZ color **38.5796, 51.2298, 40.2027** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.1445, 35.1398, 50.9651**, and the grayscale version is **43.2441, 45.4961, 49.5453**.

A 20% lighter version of the original color is **70.2759, 87.9262, 76.2183**, and **17.2794, 24.5617, 17.4658** is the 20% darker color. If you saturate the color by 10%, you get **34.2680, 49.1457, 33.8013**, and if you desaturate by 10%, it is **43.6819, 53.7069, 47.4294**.

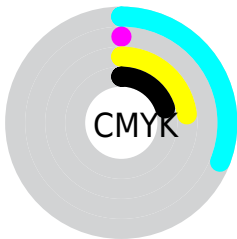
Distribution



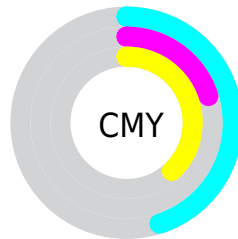
- Red (55%)
- Green (80%)
- Blue (62%)



- Red (55%)
- Yellow (75%)
- Blue (80%)



- Cyan (31%)
- Magenta (0%)
- Yellow (23%)
- Black (20%)



- Cyan (45%)
- Magenta (20%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5796, 51.2298, 40.2027 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 38.5796, 51.2298, 40.2027 by changing the saturation by 10% instead.

■ 38.5796, 51.2298,
40.2027

■ 38.5796, 51.2298,
40.2027

331.3378,
391.4559, 362.5546

■ 26.6121, 36.3915,
27.3816

■ 72.2938, 91.9944,
76.7125

■ 17.4172, 24.7367,
17.6251

■ 94.7713, 118.6894,
101.2384

■ 10.6295, 15.8810,
10.5145

121.4827,
150.1056, 130.5029

■ 5.8837, 9.4400,
5.6314

152.7936,
186.6272, 164.9247

■ 2.8145, 5.0293,
2.5571

189.0692,
228.6386, 204.9222

■ 1.0564, 2.2644,
0.8702

230.6748,

■ 0.0000, 0.7548,

276.5243, 250.9140

0.0000

277.9759,
330.6686, 303.3186

■ 0.0000, 0.0000,
0.0000

■ 38.5796, 51.2298,
40.2027

■ 38.5796, 51.2298,
40.2027

■ 34.2680, 49.1457,
33.8013

■ 43.6819, 53.7069,
47.4294

■ 30.7023, 47.4280,
28.1925

■ 49.6083, 56.5894,
55.5060

■ 27.8397, 46.0566,
23.3460

■ 56.3952, 59.8971,
64.4601

■ 25.6310, 45.0068,
19.2286

■ 64.0759, 63.6464,
74.3173

■ 24.0204, 44.2507,
15.8046

■ 72.6814, 67.8529,
85.1018

■ 22.9421, 43.7550,
13.0348

■ 79.4652, 71.1002,
96.7074

■ 22.3418, 43.4869,
11.1364

■ 80.8839, 71.6677,
104.1780

Harmonies

Analogous

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



42.5465, 51.2298, 30.4313



38.5796, 51.2298, 40.2027



37.2591, 51.2298, 56.4139

Triad

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



38.5796, 51.2298, 40.2027



48.9130, 51.2298, 99.6449



60.1798, 51.2298, 39.3306

Complementary

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



38.5796, 51.2298, 40.2027



43.1445, 35.1398, 50.9651

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.



62.2536, 51.2298, 55.1520



38.5796, 51.2298, 40.2027



55.4033, 51.2298, 92.3249

Square

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



38.5796, 51.2298, 40.2027



42.8962, 51.2298, 93.2105



60.4339, 51.2298, 74.9378



54.9885, 51.2298, 30.0119

Rectangle

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



38.5796, 51.2298, 40.2027



37.9554, 51.2298, 69.5899



60.4339, 51.2298, 74.9378



61.2843, 51.2298, 43.9308

Sweetspot

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



38.5810, 51.2319, 40.2038



84.5618, 94.8869, 95.1363



46.8056, 55.6380, 33.0837



17.7611, 20.1448, 19.9114



0.0000, 0.0000, 0.0000



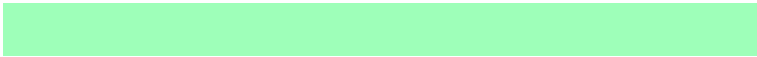
20.3446, 21.4041, 23.3091

Same Dimension

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



38.5810, 51.2319, 40.2038



58.6745, 82.3169, 58.8907



41.6022, 52.4404, 56.1134



11.1956, 12.5880, 12.5873



14.0962, 27.3838, 7.1916



0.7601, 1.4259, 0.5445

Inverse Universe

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



43.1445, 35.1398, 50.9651



67.4525, 51.3353, 79.5686



40.1922, 33.9588, 35.4182



11.5477, 11.3478, 13.4190



19.0113, 9.4151, 18.3101



1.0122, 0.4983, 1.1099

Previews

White Background



This preview shows how the XYZ color 38.5796, 51.2298, 40.2027 looks on a white background.

Color Contrast Check

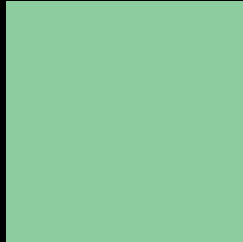
Large Text (above 18pt) WCAG AA × Fail

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 38.5796, 51.2298, 40.2027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

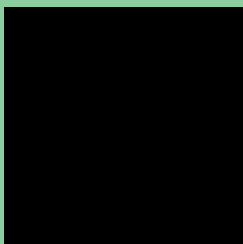
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

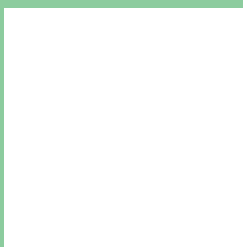
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.5796, 51.2298, 40.2027

Background



This preview shows how black text looks on a background with the XYZ color 38.5796, 51.2298, 40.2027.

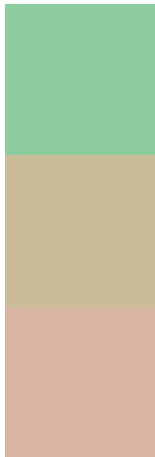


This preview shows how white text looks on a background with the XYZ color 38.5796, 51.2298,

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

38.5796, 51.2298, 40.2027

Protanopia

47.6565, 50.6183, 36.5367

Deuteranopia

51.6577, 50.6992, 41.7136



Tritanopia

44.6124, 51.2653, 69.8312

Trichromacy



Original Color

38.5796, 51.2298, 40.2027

Protanomaly

43.7149, 50.5004, 38.0154

Deuteranomaly

45.5855, 50.0915, 40.9842

Tritanomaly

42.2013, 51.3174, 57.5502

Monochromacy



Original Color

38.5796, 51.2298, 40.2027

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.1610, 47.3731, 46.0042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5796, 51.2298, 40.2027 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(140, 204, 158)` looks like.

```
.text, #text, p{  
    color:rgb(140, 204, 158)  
}
```

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(140, 204, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 204, 158) }
```

Border

The CSS property to change the border of an element to XYZ 38.5796, 51.2298, 40.2027 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(140, 204, 158) }
```


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

```
.border{ border-color:rgb(140, 204, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 204, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(140, 204, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(140, 204, 158); box-shadow:4px 4px 4px 4px rgb(140, 204, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5796, 51.2298, 40.2027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 204, 158) }
```

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

```
.background{ background-color: rgb(140,  
204, 158) }
```

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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