

Converting Colors

XYZ(37.3826, 51.3129, 40.7350)

Have a look what the booklet for
XYZ(37.3826, 51.3129, 40.7350)
contains.

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Color

**XYZ(37.3826, 51.3129,
40.7350)**

Conversions

Conversions Part 1

Format	Color
Hex	81CE9F
RGB	129, 206, 159
RGB Percent	51%, 81%, 62%
CMY	0.4941, 0.1921, 0.3765
CMYK	0.37, 0.00, 0.23, 0.19
HSL	143°, 44%, 66%
HSV	143°, 37%, 81%
XYZ	37.3826, 51.3129, 40.7350
YIQ	177.6190, -30.8050, -30.9410

Conversions

Conversions Part 2

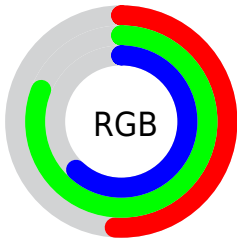
Format	Color
RYB	129, 184, 206
Decimal	8507039
CIELab	76.87, -33.96, 16.01
CIELCh	77, 37.540, 154.763
Yxy	51.3129, 0.2888, 0.3965
Android (android.graphics.Color)	4286697119 (0xFF81CE9F)
YUV	177.6190, -9.1792, -42.6389
Hunter-Lab	71.6330, -32.2053, 16.4271

Details

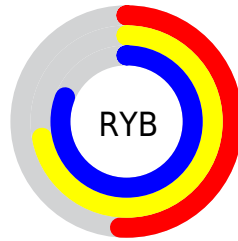
The XYZ color **37.3826, 51.3129, 40.7350** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **41.1421, 31.9582, 45.0766**, and the grayscale version is **42.1753, 44.3717, 48.3208**.

A 20% lighter version of the original color is **67.6648, 86.5654, 76.7608**, and **16.6221, 24.6906, 17.7996** is the 20% darker color. If you saturate the color by 10%, you get **33.5272, 49.4465, 35.1458**, and if you desaturate by 10%, it is **41.9826, 53.5531, 46.9408**.

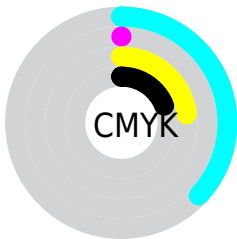
Distribution



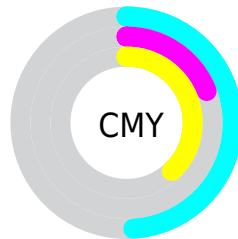
- Red (51%)
- Green (81%)
- Blue (62%)



- Red (51%)
- Yellow (72%)
- Blue (81%)



- Cyan (37%)
- Magenta (0%)
- Yellow (23%)
- Black (19%)





- Cyan (49%)
- Magenta (19%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3826, 51.3129, 40.7350 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 37.3826, 51.3129, 40.7350 by changing the saturation by 10% instead.


 37.3826, 51.3129,
40.7350


 37.3826, 51.3129,
40.7350


326.2909,
391.7782, 364.8556

 25.6789, 36.4577,
27.7939


 70.4709, 92.1171,
77.5307

 16.7150, 24.7879,
17.9327


 92.5861, 118.8349,
102.2225

 10.1255, 15.9191,
10.7327

 118.9026,
150.2757, 131.6683

 5.5452, 9.4669,
5.7755

149.7857,
186.8239, 166.2865

 2.6086, 5.0470,
2.6425

185.6007,
228.8638, 206.4959

 0.9503, 2.2748,
0.9143

226.7130,

 0.0000, 0.7603,

276.7799, 252.7148

0.0000

273.4879,
330.9566, 305.3619

■ 0.0000, 0.0000,
0.0000

■ 37.3826, 51.3129,
40.7350

■ 37.3826, 51.3129,
40.7350

■ 33.5272, 49.4465,
35.1458

■ 41.9826, 53.5531,
46.9408

■ 30.3708, 47.9266,
30.1505

■ 47.3612, 56.1802,
53.7780

■ 27.8691, 46.7322,
25.7301


■ 53.5552, 59.2140,
61.2653


■ 25.9706, 45.8371,
21.8632


■ 60.5978, 62.6714,
69.4194


■ 24.6155, 45.2110,
18.5268


■ 68.5202, 66.5681,
78.2565

 23.7227, 44.8124,
15.6957

 77.3522, 70.9193,
87.7924

 23.5298, 44.7275,
15.0327

 80.1044, 72.1213,
97.7135

 81.3622, 72.6245,
104.3374

Harmonies

Analogous

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



41.3584, 51.3129, 29.4062



37.3826, 51.3129, 40.7350



36.3353, 51.3129, 59.1980

Triad

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



37.3826, 51.3129, 40.7350



49.9196, 51.3129, 104.8956



60.9347, 51.3129, 36.3261

Complementary

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



37.3826, 51.3129, 40.7350



41.1421, 31.9582, 45.0766

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.



63.7634, 51.3129, 52.6711



37.3826, 51.3129, 40.7350



57.0210, 51.3129, 94.7721

Square

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



37.3826, 51.3129, 40.7350



43.1518, 51.3129, 99.4894



62.2660, 51.3129, 74.3568



54.8588, 51.3129, 27.3300

Rectangle

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



37.3826, 51.3129, 40.7350



37.3424, 51.3129, 74.0009



62.2660, 51.3129, 74.3568



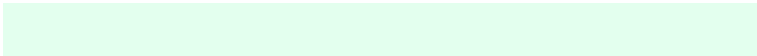
62.3224, 51.3129, 40.9742

Sweetspot

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



37.3840, 51.3150, 40.7362



82.8375, 94.0087, 94.5746



44.0495, 55.0164, 29.0672



17.4337, 19.9762, 19.8847



0.0000, 0.0000, 0.0000



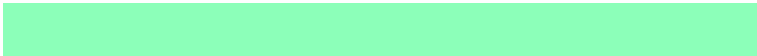
20.3446, 21.4041, 23.3091

Same Dimension

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



37.3840, 51.3150, 40.7362



55.3697, 80.6181, 58.5173



41.2062, 52.8439, 60.8636



11.2460, 12.6081, 12.8527



14.5327, 27.5584, 9.4902



0.7867, 1.4365, 0.6841

Inverse Universe

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



41.1421, 31.9582, 45.0766



62.3241, 44.7571, 66.5189



37.8916, 30.6580, 27.9598



11.4952, 11.3268, 13.1422



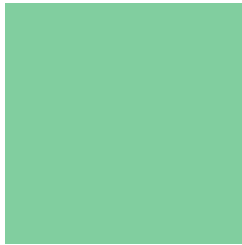
18.0310, 9.0230, 13.1480



0.9667, 0.4801, 0.8707

Previews

White Background



This preview shows how the XYZ color 37.3826, 51.3129, 40.7350 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 37.3826, 51.3129, 40.7350 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 37.3826, 51.3129, 40.7350

Background



This preview shows how black text looks on a background with the XYZ color 37.3826, 51.3129, 40.7350.



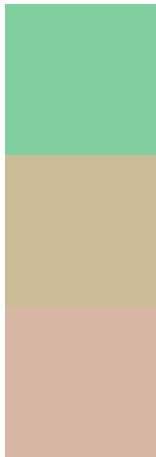
This preview shows how white text looks on a background with the XYZ color 37.3826, 51.3129,

40.7350.

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

37.3826, 51.3129, 40.7350

Protanopia

47.6565, 50.6183, 36.5367

Deuteranopia

51.7477, 50.7352, 42.1874



Tritanopia

43.6737, 51.4159, 71.9124

Trichromacy



Original Color

37.3826, 51.3129, 40.7350

Protanomaly

43.0270, 50.4773, 38.0472

Deuteranomaly

44.9196, 50.0606, 41.4776

Tritanomaly

41.2874, 51.4996, 59.3941

Monochromacy



Original Color

37.3826, 51.3129, 40.7350

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

39.8311, 46.3803, 45.3810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3826, 51.3129, 40.7350 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(129, 206, 159)` looks like.

```
.text, #text, p{  
    color:rgb(129, 206, 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(129, 206, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 206, 159) }
```

Border

The CSS property to change the border of an element to XYZ 37.3826, 51.3129, 40.7350 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(129, 206, 159) }
```


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

```
.border{ border-color:rgb(129, 206, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 206, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 206, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 206, 159); box-shadow:4px 4px 4px 4px rgb(129, 206, 159) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3826, 51.3129, 40.7350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 206, 159) }
```

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

```
.background{ background-color: rgb(129,  
206, 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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