

Converting Colors

XYZ(40.8344, 50.2012, 40.8235)

Have a look what the booklet for
XYZ(40.8344, 50.2012, 40.8235)
contains.

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Color

**XYZ(40.8373, 50.2972,
40.8137)**

Conversions

Conversions Part 1

Format	Color
Hex	9FC6A0
RGB	159, 198, 160
RGB Percent	62%, 78%, 63%
CMY	0.3765, 0.2235, 0.3725
CMYK	0.20, 0.00, 0.19, 0.22
HSL	122°, 25%, 70%
HSV	122°, 20%, 78%
XYZ	40.8373, 50.2972, 40.8137
YIQ	182.0070, -11.0460, -20.0860

Conversions

Conversions Part 2

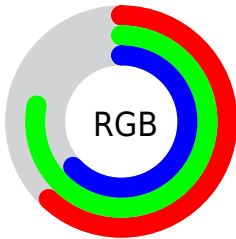
Format	Color
RYB	159, 197, 198
Decimal	10471072
CIELab	76.25, -20.34, 14.85
CIELCh	76, 25.187, 143.874
Yxy	50.2972, 0.3095, 0.3812
Android (android.graphics.Color)	4288661152 (0xFF9FC6A0)
YUV	182.0070, -10.8495, -20.1771
Hunter-Lab	70.9205, -21.3274, 15.5239

Details

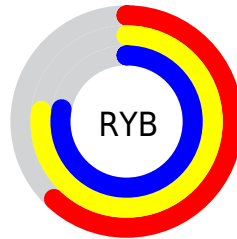
The XYZ color **40.8373, 50.2972, 40.8137** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.7666, 40.8343, 58.2951**, and the grayscale version is **44.5299, 46.8489, 51.0184**.

A 20% lighter version of the original color is **75.7573, 90.7224, 77.8083**, and **18.7434, 24.1550, 17.8619** is the 20% darker color. If you saturate the color by 10%, you get **35.6622, 47.8109, 32.4349**, and if you desaturate by 10%, it is **46.9061, 53.2168, 50.6036**.

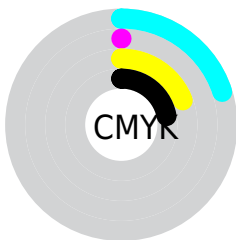
Distribution



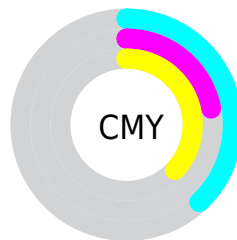
- Red (62%)
- Green (78%)
- Blue (63%)



- Red (62%)
- Yellow (77%)
- Blue (78%)



- Cyan (20%)
- Magenta (0%)
- Yellow (19%)
- Black (22%)





- Cyan (38%)
- Magenta (22%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8373, 50.2972, 40.8137 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 40.8373, 50.2972, 40.8137 by changing the saturation by 10% instead.

 40.8373, 50.2972,
40.8137


 40.8373, 50.2972,
40.8137


340.7144,
387.8270, 365.1949

 28.3791, 35.6496,
27.8549

 75.7131, 90.6151,
77.6516

 18.7535, 24.1637,
17.9783


 98.8614, 117.0541,
102.3678

 11.5953, 15.4551,
10.7651


126.3038,
148.1925, 131.8403

 6.5389, 9.1394,
5.7969

158.4056,
184.4145, 166.4875

 3.2192, 4.8322,
2.6552

195.5323,
226.1045, 206.7280

 1.2707, 2.1492,
0.9208

238.0490,

 0.1611, 0.6921,

273.6470, 252.9804

0.0000

286.3213,
327.4264, 305.6632

■ 0.0000, 0.0000,
0.0000

■ 40.8373, 50.2972,
40.8137

■ 40.8373, 50.2972,
40.8137

■ 35.6622, 47.8109,
32.4349

■ 46.9061, 53.2168,
50.6036

■ 31.3347, 45.7312,
25.3990

■ 53.9036, 56.5822,
61.8618

■ 27.8109, 44.0385,
19.6373

■ 61.8680, 60.4133,
74.6466

■ 25.0413, 42.7089,
15.0736

■ 70.8341, 64.7269,
89.0120

■ 22.9709, 41.7158,
11.6234

■ 79.4851, 68.8702,
103.7117

■ 21.5372, 41.0290,
9.1916

■ 20.6667, 40.6131,
7.6671

■ 20.2336, 40.4065,
6.8954

■ 20.2229, 40.4013,
6.8783

Harmonies

Analogous

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



44.2227, 50.2972, 34.2528



40.8373, 50.2972, 40.8137



39.3303, 50.2972, 52.0352

Triad

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



40.8373, 50.2972, 40.8137



46.8430, 50.2972, 84.9206



56.6036, 50.2972, 44.8958

Complementary

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



40.8373, 50.2972, 40.8137



45.7666, 40.8343, 58.2951

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.



57.4194, 50.2972, 57.5889



40.8373, 50.2972, 40.8137



51.5777, 50.2972, 82.1677

Square

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



40.8373, 50.2972, 40.8137



42.6476, 50.2972, 78.5822



55.5255, 50.2972, 71.5806



53.3644, 50.2972, 36.3238

Rectangle

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



40.8373, 50.2972, 40.8137



39.5178, 50.2972, 61.2435



55.5255, 50.2972, 71.5806



57.1789, 50.2972, 48.7605

Sweetspot

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



40.8386, 50.2993, 40.8148



87.3354, 96.2896, 96.4929



49.5721, 54.8116, 40.7682



18.5217, 20.5274, 20.3771



0.0000, 0.0000, 0.0000



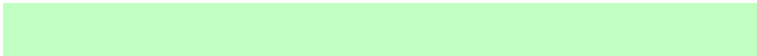
20.3446, 21.4041, 23.3091

Same Dimension

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



40.8386, 50.2993, 40.8148



67.8491, 86.9198, 65.0509



42.6455, 51.0221, 50.3294



10.5083, 11.8922, 11.3610



13.1557, 26.2746, 4.4984



0.6269, 1.2457, 0.2337

Inverse Universe

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



45.7666, 40.8343, 58.2951



78.2854, 66.8739, 102.0695



43.7092, 40.0114, 47.4611



11.0709, 10.8117, 13.3566



21.4043, 10.3113, 33.6685



1.0173, 0.4898, 1.6143

Previews

White Background



This preview shows how the XYZ color 40.8373, 50.2972, 40.8137 looks on a white background.

Color Contrast Check

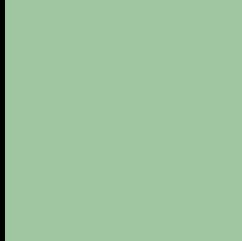
Large Text (above 18pt) WCAG AA × Fail

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 40.8373, 50.2972, 40.8137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

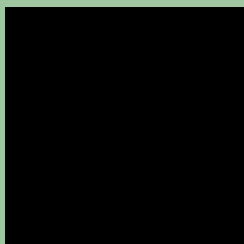
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

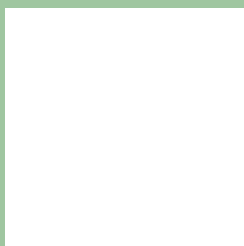
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8373, 50.2972, 40.8137

Background



This preview shows how black text looks on a background with the XYZ color 40.8373, 50.2972, 40.8137.



This preview shows how white text looks on a background with the XYZ color 40.8373, 50.2972, 40.8137.

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

40.8373, 50.2972, 40.8137

Protanopia

46.9754, 49.9130, 38.1686

Deuteranopia

50.9563, 50.0242, 42.0919



Tritanopia

46.0485, 50.4198, 66.3365

Trichromacy



Original Color

40.8373, 50.2972, 40.8137

Protanomaly

44.4838, 49.8863, 39.1828

Deuteranomaly

46.6293, 49.6543, 41.7769

Tritanomaly

43.8959, 50.1938, 56.0900

Monochromacy



Original Color

40.8373, 50.2972, 40.8137

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.0788, 48.0211, 47.0429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8373, 50.2972, 40.8137 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(159, 198, 160)` looks like.

```
.text, #text, p{  
    color:rgb(159, 198, 160)  
}
```

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(159, 198, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 198, 160) }
```

Border

The CSS property to change the border of an element to XYZ 40.8373, 50.2972, 40.8137 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(159, 198, 160) }
```


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

```
.border{ border-color:rgb(159, 198, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 198, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 198, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 198, 160);  
box-shadow:4px 4px 4px 4px rgb(159, 198,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8373, 50.2972, 40.8137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 198, 160) }
```

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

```
.background{ background-color: rgb(159,  
198, 160) }
```

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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