

Converting Colors

XYZ(38.1060, 51.0091, 43.1282)

Have a look what the booklet for
XYZ(38.1060, 51.0091, 43.1282)
contains.

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Color

**XYZ(37.9666, 50.8526,
42.9364)**

Conversions

Conversions Part 1

Format	Color
Hex	85CCA4
RGB	133, 204, 164
RGB Percent	52%, 80%, 64%
CMY	0.4784, 0.2000, 0.3569
CMYK	0.35, 0.00, 0.20, 0.20
HSL	146°, 41%, 66%
HSV	146°, 35%, 80%
XYZ	37.9666, 50.8526, 42.9364
YIQ	178.2110, -29.4760, -27.4920

Conversions

Conversions Part 2

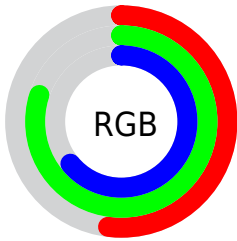
Format	Color
RYB	133, 182, 204
Decimal	8768676
CIELab	76.59, -30.86, 12.97
CIELCh	77, 33.476, 157.195
Yxy	50.8526, 0.2882, 0.3860
Android (android.graphics.Color)	4286958756 (0xFF85CCA4)
YUV	178.2110, -7.0060, -39.6500
Hunter-Lab	71.3110, -29.7593, 14.2192

Details

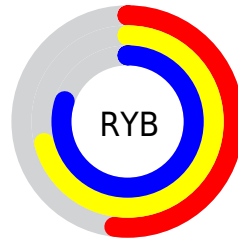
The XYZ color **37.9666, 50.8526, 42.9364** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.8340, 32.6308, 43.6836**, and the grayscale version is **42.4769, 44.6890, 48.6663**.

A 20% lighter version of the original color is **69.2852, 87.3258, 80.2217**, and **16.9803, 24.3702, 19.1382** is the 20% darker color. If you saturate the color by 10%, you get **34.0619, 48.9556, 37.5785**, and if you desaturate by 10%, it is **42.5934, 53.1138, 48.8200**.

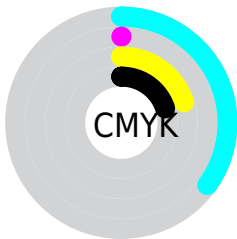
Distribution



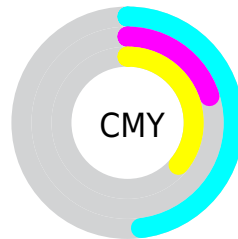
- Red (52%)
- Green (80%)
- Blue (64%)



- Red (52%)
- Yellow (71%)
- Blue (80%)



- Cyan (35%)
- Magenta (0%)
- Yellow (20%)
- Black (20%)



- Cyan (48%)
- Magenta (20%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9666, 50.8526, 42.9364 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 37.9666, 50.8526, 42.9364 by changing the saturation by 10% instead.

■ 37.9666, 50.8526,
42.9364

■ 37.9666, 50.8526,
42.9364

328.7600,
389.9908, 374.2637

■ 26.1339, 36.0913,
29.5042

■ 71.3612, 91.4369,
80.9002

■ 17.0570, 24.5047,
19.2137

■ 93.6537, 118.0286,
106.2689

■ 10.3707, 15.7084,
11.6464

■ 120.1636,
149.3326, 136.4534

■ 5.7096, 9.3181,
6.3838

151.2561,
185.7334, 171.8724

■ 2.7083, 4.9492,
3.0073

187.2966,
227.6151, 212.9444

■ 1.0014, 2.2175,
1.0984

228.6506,

■ 0.0000, 0.7295,

275.3624, 260.0879

0.0000

275.6832,
329.3595, 313.7215

■ 0.0000, 0.0000,
0.0000

■ 37.9666, 50.8526,
42.9364

■ 37.9666, 50.8526,
42.9364

■ 34.0619, 48.9556,
37.5785

■ 42.5934, 53.1138,
48.8200

■ 30.8364, 47.3968,
32.7282

■ 47.9739, 55.7510,
55.2399

■ 28.2486, 46.1565,
28.3712


■ 54.1429, 58.7833,
62.2109


■ 26.2510, 45.2105,
24.4910


■ 61.1317, 62.2267,
69.7459


■ 24.7883, 44.5306,
21.0705


■ 68.9699, 66.0960,
77.8576

 23.7940, 44.0830,
18.0909

 77.5365, 70.3287,
86.5511

 23.3998, 43.9100,
16.7085

 79.2323, 71.0070,
95.4815

 80.8838, 71.6676,
104.1779

Harmonies

Analogous

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



41.3477, 50.8526, 31.9995



37.9666, 50.8526, 42.9364



37.2434, 50.8526, 59.8481

Triad

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



37.9666, 50.8526, 42.9364



49.8733, 50.8526, 97.6167



58.6842, 50.8526, 36.8690

Complementary

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



37.9666, 50.8526, 42.9364



40.8340, 32.6308, 43.6836

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.



61.4327, 50.8526, 51.1207



37.9666, 50.8526, 42.9364



56.0657, 50.8526, 88.0100

Square

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



37.9666, 50.8526, 42.9364



43.7713, 50.8526, 94.0867



60.4350, 50.8526, 69.9979



53.2030, 50.8526, 29.0670

Rectangle

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



37.9666, 50.8526, 42.9364



38.3028, 50.8526, 72.8635



60.4350, 50.8526, 69.9979



59.9792, 50.8526, 40.9274

Sweetspot

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



37.9680, 50.8547, 42.9375



84.0553, 94.5894, 96.7596



43.1135, 53.7923, 30.3017



17.6843, 20.0951, 20.3617



0.0000, 0.0000, 0.0000



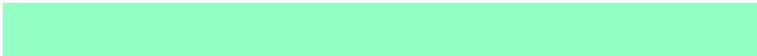
20.3446, 21.4041, 23.3091

Same Dimension

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



37.9680, 50.8547, 42.9375



57.7666, 81.7313, 64.1596



41.6072, 52.3104, 62.1016



11.2681, 12.6170, 12.9690



14.7725, 27.6543, 10.7530



0.8000, 1.4418, 0.7542

Inverse Universe

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



40.8340, 32.6308, 43.6836



63.2289, 46.9743, 65.5638



37.8590, 31.4409, 28.0178



11.4726, 11.3178, 13.0232



17.6663, 8.8771, 11.2275



0.9491, 0.4730, 0.7778

Previews

White Background



This preview shows how the XYZ color 37.9666, 50.8526, 42.9364 looks on a white background.

Color Contrast Check

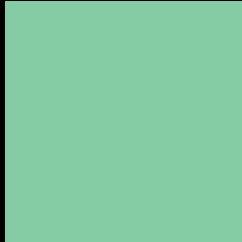
Large Text (above 18pt) WCAG AA × Fail

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 37.9666, 50.8526, 42.9364 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 37.9666, 50.8526, 42.9364

Background



This preview shows how black text looks on a background with the XYZ color 37.9666, 50.8526, 42.9364.



This preview shows how white text looks on a background with the XYZ color 37.9666, 50.8526,

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

37.9666, 50.8526, 42.9364

Protanopia

47.5372, 50.5089, 38.6962

Deuteranopia

51.1259, 50.0585, 44.5037



Tritanopia

43.4781, 50.6659, 70.4387

Trichromacy



Original Color

37.9666, 50.8526, 42.9364

Protanomaly

43.2290, 50.2007, 40.2122

Deuteranomaly

44.9398, 49.3756, 43.7211

Tritanomaly

41.3198, 50.8241, 59.2620

Monochromacy



Original Color

37.9666, 50.8526, 42.9364

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.2134, 46.2392, 46.3407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9666, 50.8526, 42.9364 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(133, 204, 164)` looks like.

```
.text, #text, p{  
    color:rgb(133, 204, 164)  
}
```

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(133, 204, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 204, 164) }
```

Border

The CSS property to change the border of an element to XYZ 37.9666, 50.8526, 42.9364 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(133, 204, 164) }
```


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

```
.border{ border-color:rgb(133, 204, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 204, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 204, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 204, 164);  
box-shadow:4px 4px 4px 4px rgb(133, 204,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9666, 50.8526, 42.9364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 204, 164) }
```

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

```
.background{ background-color: rgb(133,  
204, 164) }
```

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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