

Converting Colors

XYZ(40.9596, 58.8540, 38.4816)

Have a look what the booklet for
XYZ(40.9596, 58.8540, 38.4816)
contains.

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Color

**XYZ(40.9581, 58.8528,
38.4792)**

Conversions

Conversions Part 1

Format	Color
Hex	84DD97
RGB	132, 221, 151
RGB Percent	52%, 87%, 59%
CMY	0.4823, 0.1333, 0.4078
CMYK	0.40, 0.00, 0.32, 0.13
HSL	133°, 57%, 69%
HSV	133°, 40%, 87%
XYZ	40.9581, 58.8528, 38.4792
YIQ	186.4090, -30.5740, -40.6380

Conversions

Conversions Part 2

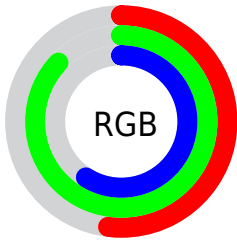
Format	Color
RYB	132, 205, 221
Decimal	8707479
CIELab	81.21, -41.35, 26.20
CIELCh	81, 48.953, 147.637
Yxy	58.8528, 0.2962, 0.4256
Android (android.graphics.Color)	4286897559 (0xFF84DD97)
YUV	186.4090, -17.4566, -47.7167
Hunter-Lab	76.7156, -38.9519, 23.9621

Details

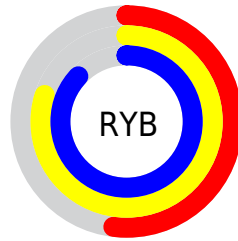
The XYZ color **40.9581, 58.8528, 38.4792** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **48.7326, 36.1402, 60.2865**, and the grayscale version is **47.0100, 49.4582, 53.8600**.

A 20% lighter version of the original color is **67.6396, 86.6676, 71.5561**, and **18.8160, 29.4081, 16.7412** is the 20% darker color. If you saturate the color by 10%, you get **36.5523, 56.7345, 31.4399**, and if you desaturate by 10%, it is **46.3072, 61.4367, 46.6517**.

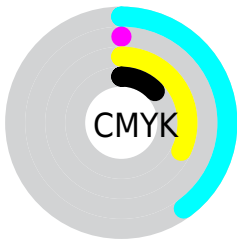
Distribution



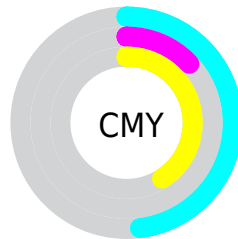
- Red (52%)
- Green (87%)
- Blue (59%)



- Red (52%)
- Yellow (80%)
- Blue (87%)



- Cyan (40%)
- Magenta (0%)
- Yellow (32%)
- Black (13%)





- Cyan (48%)
- Magenta (13%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9581, 58.8528, 38.4792 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 40.9581, 58.8528, 38.4792 by changing the saturation by 10% instead.


 40.9581, 58.8528,
38.4792


 40.9581, 58.8528,
38.4792


341.2110,
420.3562, 355.0308


 28.4739, 42.4946,
26.0501


 75.8954, 103.1637,
74.0536

 18.8255, 29.4888,
16.6350


 99.0792, 131.8852,
98.0360

 11.6475, 19.4509,
9.8154


 126.5602,
165.4966, 126.7065

 6.5746, 11.9965,
5.1727

158.7038,
204.3824, 160.4838

 3.2415, 6.7413,
2.2885

195.8753,
248.9268, 199.7863

 1.2827, 3.3009,
0.7247

238.4401,

 0.1702, 1.2907,

299.5143, 245.0326

0.0000

286.7636,
356.5293, 296.6413

■ 0.0000, 0.1340,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.9581, 58.8528,
38.4792

■ 40.9581, 58.8528,
38.4792

■ 36.5523, 56.7345,
31.4399

■ 46.3072, 61.4367,
46.6517

■ 33.0295, 55.0466,
25.4798


■ 52.6460, 64.5041,
56.0003


■ 30.3294, 53.7611,
20.5466


■ 60.0235, 68.0810,
66.5706


■ 28.3822, 52.8430,
16.5817

■ 68.4838, 72.1893,
78.4043

 27.1055, 52.2513,
13.5209

 78.0686, 76.8496,
91.5414

 26.3743, 51.9219,
11.3404

 85.1476, 80.1952,
105.5992

Harmonies

Analogous

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



47.3275, 58.8528, 26.0990



40.9581, 58.8528, 38.4792



38.5467, 58.8528, 61.7931

Triad

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



40.9581, 58.8528, 38.4792



55.1333, 58.8528, 138.1456



75.1661, 58.8528, 41.4047

Complementary

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



40.9581, 58.8528, 38.4792



48.7326, 36.1402, 60.2865

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.



77.9022, 58.8528, 66.4241



40.9581, 58.8528, 38.4792



65.5338, 58.8528, 127.8040

Square

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



40.9581, 58.8528, 38.4792



46.0859, 58.8528, 124.1704



74.1859, 58.8528, 99.0801



67.1023, 58.8528, 27.3919

Rectangle

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



40.9581, 58.8528, 38.4792



39.2569, 58.8528, 82.6424



74.1859, 58.8528, 99.0801



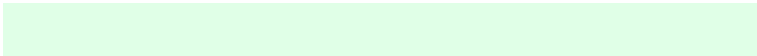
76.7792, 58.8528, 48.5298

Sweetspot

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



40.9596, 58.8552, 38.4805



81.0389, 93.1970, 89.2691



54.7067, 66.1063, 31.7068



17.0477, 19.8035, 18.6831



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.



40.9596, 58.8552, 38.4805



51.6045, 78.9679, 45.2009



45.1453, 60.5295, 60.5217



12.9997, 14.6515, 14.4614



15.3546, 30.1745, 6.7668



1.0268, 1.9677, 0.6071

Inverse Universe

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



48.7326, 36.1402, 60.2865



63.6975, 43.5756, 79.0869



44.3038, 34.3686, 36.9644



13.4891, 13.2248, 15.8370



21.7933, 10.7184, 24.3552



1.4422, 0.7065, 1.7375

Previews

White Background



This preview shows how the XYZ color 40.9581, 58.8528, 38.4792 looks on a white background.

Color Contrast Check

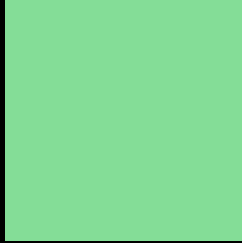
Large Text (above 18pt) WCAG AA × Fail

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 40.9581, 58.8528, 38.4792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

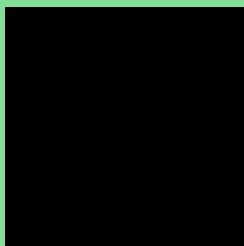
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

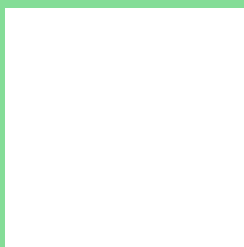
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.9581, 58.8528, 38.4792

Background



This preview shows how black text looks on a background with the XYZ color 40.9581, 58.8528, 38.4792.

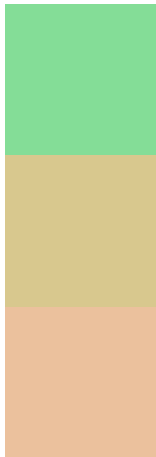


This preview shows how white text looks on a background with the XYZ color 40.9581, 58.8528,

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

40.9581, 58.8528, 38.4792

Protanopia

53.8557, 57.8605, 33.9209

Deuteranopia

59.4167, 58.2364, 40.0074



Tritanopia

49.5106, 58.4859, 82.0782

Trichromacy



Original Color

40.9581, 58.8528, 38.4792



Protanomaly

47.6743, 57.4704, 35.3683



Deuteranomaly

50.5610, 57.0842, 39.3638



Tritanomaly

45.8811, 58.5218, 63.5212

Monochromacy



Original Color

40.9581, 58.8528, 38.4792



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

43.6921, 51.9710, 47.2637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9581, 58.8528, 38.4792 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(132, 221, 151)` looks like.

```
.text, #text, p{  
    color:rgb(132, 221, 151)  
}
```

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(132, 221, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 221, 151) }
```

Border

The CSS property to change the border of an element to XYZ 40.9581, 58.8528, 38.4792 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(132, 221, 151) }
```


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

```
.border{ border-color:rgb(132, 221, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 221, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 221, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 221, 151);  
box-shadow:4px 4px 4px 4px rgb(132, 221,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9581, 58.8528, 38.4792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 221, 151) }
```

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

```
.background{ background-color: rgb(132,  
221, 151) }
```

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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