

Converting Colors

XYZ(40.2314, 57.9848, 49.5188)

Have a look what the booklet for
XYZ(40.2314, 57.9848, 49.5188)
contains.

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Color

**XYZ(40.1411, 57.7923,
49.5968)**

Conversions

Conversions Part 1

Format	Color
Hex	71DCAF
RGB	113, 220, 175
RGB Percent	44%, 86%, 69%
CMY	0.5569, 0.1372, 0.3137
CMYK	0.49, 0.00, 0.20, 0.14
HSL	155°, 60%, 65%
HSV	155°, 49%, 86%
XYZ	40.1411, 57.7923, 49.5968
YIQ	182.8770, -49.3270, -36.6790

Conversions

Conversions Part 2

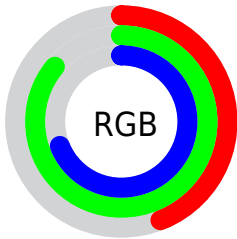
Format	Color
RYB	113, 181, 220
Decimal	7462063
CIELab	80.62, -41.34, 12.71
CIELCh	81, 43.253, 162.915
Yxy	57.7923, 0.2721, 0.3917
Android (android.graphics.Color)	4285652143 (0xFF71DCAF)
YUV	182.8770, -3.8834, -61.2821
Hunter-Lab	76.0212, -38.7848, 14.5337

Details

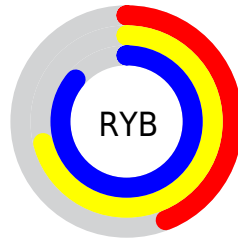
The XYZ color **40.1411, 57.7923, 49.5968** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **41.5938, 29.4958, 35.8509**, and the grayscale version is **44.9836, 47.3262, 51.5383**.

A 20% lighter version of the original color is **66.7614, 85.8356, 88.6505**, and **18.2565, 28.7129, 22.9923** is the 20% darker color. If you saturate the color by 10%, you get **36.7688, 56.1568, 44.8572**, and if you desaturate by 10%, it is **44.2649, 59.8111, 54.6992**.

Distribution



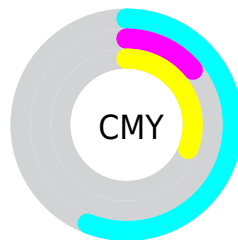
- Red (44%)
- Green (86%)
- Blue (69%)



- Red (44%)
- Yellow (71%)
- Blue (86%)



- Cyan (49%)
- Magenta (0%)
- Yellow (20%)
- Black (14%)





- Cyan (56%)
- Magenta (14%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1411, 57.7923, 49.5968 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 40.1411, 57.7923, 49.5968 by changing the saturation by 10% instead.


 40.1411, 57.7923,
49.5968


 40.1411, 57.7923,
49.5968


337.8422,
416.4116, 401.7769


 27.8333, 41.6417,
34.7242


 74.6613, 101.6203,
90.9673

 18.3398, 28.8208,
23.1686


 97.6044, 130.0666,
118.3023

 11.2954, 18.9453,
14.5116


 124.8233,
163.3801, 150.6286

 6.3346, 11.6308,
8.3346

156.6833,
201.9454, 188.3646

 3.0922, 6.4928,
4.2189

193.5499,
246.1468, 231.9288

 1.2027, 3.1470,
1.7462

235.7883,

 0.1085, 1.2089,

296.3687, 281.7400

0.3921

283.7639,
352.9955, 338.2165

■ 0.0000, 0.0690,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.1411, 57.7923,
49.5968

■ 40.1411, 57.7923,
49.5968

■ 36.7688, 56.1568,
44.8572

■ 44.2649, 59.8111,
54.6992

■ 34.0915, 54.8710,
40.4676


■ 49.1819, 62.2299,
60.1688


■ 32.0522, 53.9071,
36.4198


■ 54.9365, 65.0731,
66.0152


■ 30.5820, 53.2299,
32.7037

■ 61.5681, 68.3607,
72.2460


 29.5769, 52.7859,
29.3074

 69.1137, 72.1119,
78.8688

 29.4561, 52.7333,
28.8677

 77.6081, 76.3443,
85.8910

 82.5285, 78.7262,
93.1063

 83.9370, 79.2896,
100.5230

 84.8843, 79.6685,
105.5114

Harmonies

Analogous

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



44.0812, 57.7923, 33.4230



40.1411, 57.7923, 49.5968



39.8802, 57.7923, 74.5290

Triad

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



40.1411, 57.7923, 49.5968



58.8445, 57.7923, 123.8099



68.4412, 57.7923, 35.1043

Complementary

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



40.1411, 57.7923, 49.5968



41.5938, 29.4958, 35.8509

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.



73.3567, 57.7923, 52.5944



40.1411, 57.7923, 49.5968



67.4267, 57.7923, 106.0801

Square

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



40.1411, 57.7923, 49.5968



50.0538, 57.7923, 122.3663



72.9666, 57.7923, 78.4519



60.1128, 57.7923, 26.7406

Rectangle

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



40.1411, 57.7923, 49.5968



41.7790, 57.7923, 93.4944



72.9666, 57.7923, 78.4519



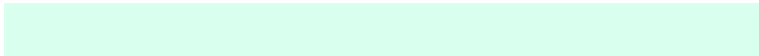
70.5858, 57.7923, 39.8730

Sweetspot

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



40.1427, 57.7946, 49.5981



79.8681, 92.4603, 95.2311



42.9466, 59.7896, 24.9005



16.6881, 19.5887, 19.9936



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.



40.1427, 57.7946, 49.5981



51.4384, 78.4932, 62.7730



43.4909, 56.2018, 76.2688



13.2013, 14.7321, 15.5228



17.3436, 30.9701, 17.2405



1.1663, 2.0235, 1.3416

Inverse Universe

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



41.5938, 29.4958, 35.8509



53.6981, 34.6722, 41.5477



39.2300, 29.8742, 19.3221



13.2821, 13.1419, 14.7468



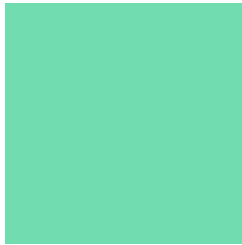
18.5224, 9.4100, 7.1308



1.2424, 0.6266, 0.6853

Previews

White Background



This preview shows how the XYZ color 40.1411, 57.7923, 49.5968 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 40.1411, 57.7923, 49.5968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

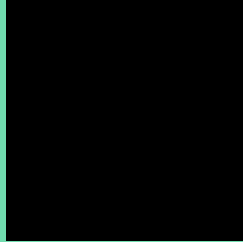
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1411, 57.7923, 49.5968

Background



This preview shows how black text looks on a background with the XYZ color 40.1411, 57.7923, 49.5968.



This preview shows how white text looks on a background with the XYZ color 40.1411, 57.7923,

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

40.1411, 57.7923, 49.5968

Protanopia

53.4733, 56.7701, 43.2613

Deuteranopia

58.2415, 57.0430, 51.6568



Tritanopia

46.9793, 57.8909, 83.5609

Trichromacy



Original Color

40.1411, 57.7923, 49.5968



Protanomaly

46.8184, 56.0837, 45.4034



Deuteranomaly

49.0244, 55.6861, 50.8125



Tritanomaly

44.3571, 57.9758, 69.8254

Monochromacy



Original Color

40.1411, 57.7923, 49.5968



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

42.0787, 50.0442, 50.6217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1411, 57.7923, 49.5968 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(113, 220, 175)` looks like.

```
.text, #text, p{  
    color:rgb(113, 220, 175)  
}
```

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(113, 220, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 220, 175) }
```

Border

The CSS property to change the border of an element to XYZ 40.1411, 57.7923, 49.5968 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(113, 220, 175) }
```


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

```
.border{ border-color:rgb(113, 220, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 220, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 220, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 220, 175); box-shadow:4px 4px 4px 4px rgb(113, 220, 175) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1411, 57.7923, 49.5968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 220, 175) }
```

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

```
.background{ background-color: rgb(113,  
220, 175) }
```

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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