

Converting Colors

XYZ(40.3951, 57.7880, 33.1831)

Have a look what the booklet for
XYZ(40.3951, 57.7880, 33.1831)
contains.

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Color

**XYZ(40.4002, 57.9013,
33.0915)**

Conversions

Conversions Part 1

Format	Color
Hex	8ADB8A
RGB	138, 219, 138
RGB Percent	54%, 86%, 54%
CMY	0.4588, 0.1412, 0.4588
CMYK	0.37, 0.00, 0.37, 0.14
HSL	120°, 53%, 70%
HSV	120°, 37%, 86%
XYZ	40.4002, 57.9013, 33.0915
YIQ	185.5470, -22.2750, -42.3630

Conversions

Conversions Part 2

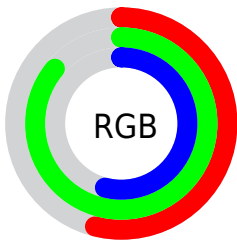
Format	Color
RYB	138, 219, 219
Decimal	9100170
CIELab	80.68, -40.80, 32.23
CIElCh	81, 51.995, 141.694
Yxy	57.9013, 0.3075, 0.4407
Android (android.graphics.Color)	4287290250 (0xFF8ADB8A)
YUV	185.5470, -23.4407, -41.6987
Hunter-Lab	76.0929, -38.3911, 27.4808

Details

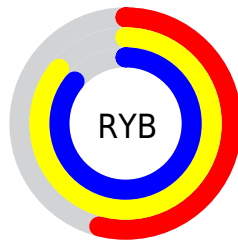
The XYZ color **40.4002, 57.9013, 33.0915** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **51.0899, 38.3526, 71.7300**, and the grayscale version is **46.5558, 48.9803, 53.3396**.

A 20% lighter version of the original color is **67.5226, 86.7951, 63.0635**, and **18.3848, 28.7215, 13.5917** is the 20% darker color. If you saturate the color by 10%, you get **35.7068, 55.6486, 25.4135**, and if you desaturate by 10%, it is **46.1468, 60.6634, 42.4900**.

Distribution



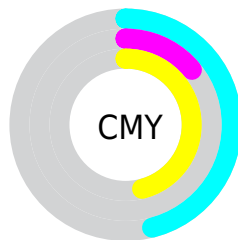
- Red (54%)
- Green (86%)
- Blue (54%)



- Red (54%)
- Yellow (86%)
- Blue (86%)



- Cyan (37%)
- Magenta (0%)
- Yellow (37%)
- Black (14%)





- Cyan (46%)
- Magenta (14%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4002, 57.9013, 33.0915 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 40.4002, 57.9013, 33.0915 by changing the saturation by 10% instead.


 40.4002, 57.9013,
33.0915


 40.4002, 57.9013,
33.0915


338.9130,
416.8181, 330.7065


 28.0363, 41.7293,
21.9249


 75.0530, 101.7791,
65.6360

 18.4936, 28.8894,
13.6039


 98.0726, 130.2537,
87.8510

 11.4068, 18.9972,
7.7101

 125.3749,
163.5980, 114.5858

 6.4104, 11.6682,
3.8249

157.3251,
202.1963, 146.2590

 3.1392, 6.5182,
1.5298

194.2887,
246.4331, 183.2891

 1.2278, 3.1627,
0.2400

236.6310,

 0.1282, 1.2172,

296.6927, 226.0947

0.0000

284.7173,
353.3596, 275.0943

■ 0.0000, 0.0757,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.4002, 57.9013,
33.0915

■ 40.4002, 57.9013,
33.0915

■ 35.7068, 55.6486,
25.4135

■ 46.1468, 60.6634,
42.4900

■ 31.9988, 53.8674,
19.3482


■ 53.0004, 63.9555,
53.7002


■ 29.2071, 52.5264,
14.7819


■ 61.0164, 67.8060,
66.8118


■ 27.2523, 51.5874,
11.5843


■ 70.2452, 72.2391,
81.9072

 26.0410, 51.0056,
9.6029

 80.7343, 77.2776,
99.0638

 25.4514, 50.7224,
8.6386

 84.6227, 79.1453,
105.4242

 25.3327, 50.6653,
8.4443

Harmonies

Analogous

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



47.7648, 57.9013, 22.5815



40.4002, 57.9013, 33.0915



37.0635, 57.9013, 54.9009

Triad

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



40.4002, 57.9013, 33.0915



52.1111, 57.9013, 141.2897



76.4778, 57.9013, 43.6553

Complementary

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



40.4002, 57.9013, 33.0915



51.0899, 38.3526, 71.7300

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.



78.0361, 57.9013, 71.9564



40.4002, 57.9013, 33.0915



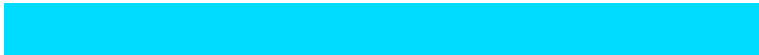
63.0044, 57.9013, 135.2808

Square

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



40.4002, 57.9013, 33.0915



43.2271, 57.9013, 121.5928



72.8318, 57.9013, 107.1380



68.8147, 57.9013, 27.1581

Rectangle

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



40.4002, 57.9013, 33.0915



37.2263, 57.9013, 75.7738



72.8318, 57.9013, 107.1380



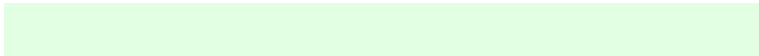
77.7695, 57.9013, 51.8274

Sweetspot

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



40.4017, 57.9037, 33.0928



81.2811, 93.3861, 86.3786



59.1349, 67.5611, 33.9690



17.0654, 19.8289, 17.9453



0.0000, 0.0000, 0.0000



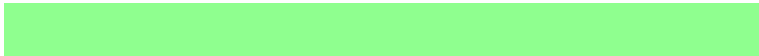
20.3446, 21.4041, 23.3091

Same Dimension

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



40.4017, 57.9037, 33.0928



51.9960, 79.3190, 38.4776



43.9005, 59.3033, 51.5175



12.8866, 14.6063, 13.8657



15.0204, 30.0408, 5.0069



0.9731, 1.9462, 0.3244

Inverse Universe

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



51.0899, 38.3526, 71.7300



69.0822, 48.0648, 100.2425



46.3898, 36.4726, 46.9795



13.6144, 13.2749, 16.4968



24.9035, 11.9624, 40.7333



1.6134, 0.7750, 2.6389

Previews

White Background



This preview shows how the XYZ color 40.4002, 57.9013, 33.0915 looks on a white background.

Color Contrast Check

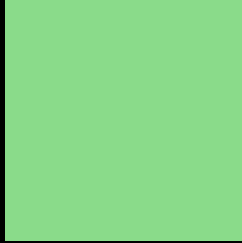
Large Text (above 18pt) WCAG AA × Fail

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 40.4002, 57.9013, 33.0915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

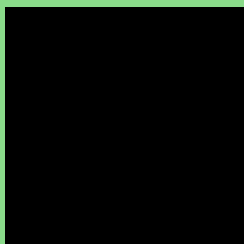
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4002, 57.9013, 33.0915

Background



This preview shows how black text looks on a background with the XYZ color 40.4002, 57.9013, 33.0915.

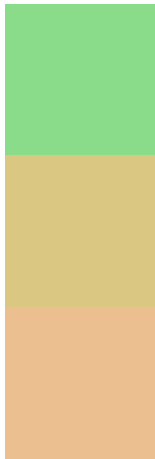


This preview shows how white text looks on a background with the XYZ color 40.4002, 57.9013,

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

40.4002, 57.9013, 33.0915

Protanopia

53.0680, 57.2103, 29.3648

Deuteranopia

58.2569, 57.1081, 34.3380



Tritanopia

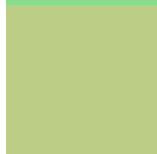
49.6641, 57.5166, 79.7184

Trichromacy



Original Color

40.4002, 57.9013, 33.0915



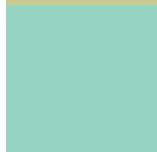
Protanomaly

47.0440, 56.5274, 30.6217



Deuteranomaly

49.5885, 56.0056, 33.7878



Tritanomaly

45.5635, 57.3268, 59.1158

Monochromacy



Original Color

40.4002, 57.9013, 33.0915



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

43.7177, 51.6878, 45.2087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4002, 57.9013, 33.0915 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(138, 219, 138)` looks like.

```
.text, #text, p{  
    color:rgb(138, 219, 138)  
}
```

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(138, 219, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 219, 138) }
```

Border

The CSS property to change the border of an element to XYZ 40.4002, 57.9013, 33.0915 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(138, 219, 138) }
```


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

```
.border{ border-color:rgb(138, 219, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 219, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 219, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 219, 138);  
box-shadow:4px 4px 4px 4px rgb(138, 219,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4002, 57.9013, 33.0915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 219, 138) }
```

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

```
.background{ background-color: rgb(138,  
219, 138) }
```

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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