

Converting Colors

XYZ(40.8002, 51.1499, 40.3367)

Have a look what the booklet for
XYZ(40.8002, 51.1499, 40.3367)
contains.

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Color

**XYZ(40.8550, 51.3444,
40.5581)**

Conversions

Conversions Part 1

Format	Color
Hex	9CC99F
RGB	156, 201, 159
RGB Percent	61%, 79%, 62%
CMY	0.3882, 0.2117, 0.3765
CMYK	0.22, 0.00, 0.21, 0.21
HSL	124°, 29%, 70%
HSV	124°, 22%, 79%
XYZ	40.8550, 51.3444, 40.5581
YIQ	182.7570, -13.3380, -22.6020

Conversions

Conversions Part 2

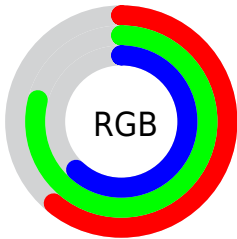
Format	Color
RYB	156, 198, 201
Decimal	10275231
CIELab	76.89, -23.03, 16.25
CIELCh	77, 28.185, 144.798
Yxy	51.3444, 0.3077, 0.3868
Android (android.graphics.Color)	4288465311 (0xFF9CC99F)
YUV	182.7570, -11.7122, -23.4659
Hunter-Lab	71.6550, -23.6223, 16.5992

Details

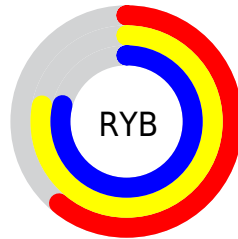
The XYZ color **40.8550, 51.3444, 40.5581** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.1707, 40.2729, 58.7684**, and the grayscale version is **44.9451, 47.2858, 51.4942**.

A 20% lighter version of the original color is **74.7616, 90.2239, 77.0929**, and **18.7965, 24.8720, 17.7200** is the 20% darker color. If you saturate the color by 10%, you get **35.7764, 48.9018, 32.4578**, and if you desaturate by 10%, it is **46.8272, 54.2220, 49.9922**.

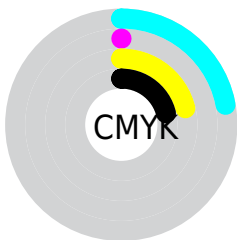
Distribution



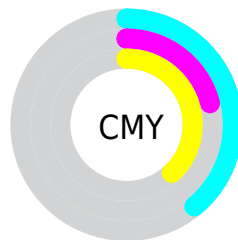
- Red (61%)
- Green (79%)
- Blue (62%)



- Red (61%)
- Yellow (78%)
- Blue (79%)



- Cyan (22%)
- Magenta (0%)
- Yellow (21%)
- Black (21%)



- Cyan (39%)
- Magenta (21%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8550, 51.3444, 40.5581 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 40.8550, 51.3444, 40.5581 by changing the saturation by 10% instead.

■ 40.8550, 51.3444,
40.5581

■ 40.8550, 51.3444,
40.5581

340.7872,
391.9004, 364.0921

■ 28.3930, 36.4828,
27.6569

■ 75.7398, 92.1637,
77.2590

■ 18.7641, 24.8073,
17.8304

■ 98.8933, 118.8901,
101.8957

■ 11.6029, 15.9335,
10.6601

126.3414,
150.3402, 131.2813

■ 6.5442, 9.4771,
5.7275

158.4493,
186.8984, 165.8344

■ 3.2225, 5.0537,
2.6140

195.5825,
228.9492, 205.9735

■ 1.2725, 2.2788,
0.8997

238.1063,

■ 0.1625, 0.7625,

276.8768, 252.1171

0.0000

286.3861,
331.0657, 304.6838

■ 0.0000, 0.0000,
0.0000

■ 40.8550, 51.3444,
40.5581

■ 40.8550, 51.3444,
40.5581

■ 35.7764, 48.9018,
32.4578

■ 46.8272, 54.2220,
49.9922

■ 31.5444, 46.8669,
25.6279

■ 53.7286, 57.5475,
60.8129

■ 28.1142, 45.2195,
20.0051

■ 61.5982, 61.3412,
73.0741

■ 25.4351, 43.9349,
15.5191

■ 70.4712, 65.6202,
86.8261

■ 23.4506, 42.9856,
12.0926

■ 79.8259, 70.1146,
102.0905

■ 22.0962, 42.3403,
9.6384

■ 80.1776, 70.2552,
103.9425

■ 21.2953, 41.9616,
8.0556

■ 20.9629, 41.8053,
7.3589

Harmonies

Analogous

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



44.6051, 51.3444, 33.1635



40.8550, 51.3444, 40.5581



39.2403, 51.3444, 53.2715

Triad

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



40.8550, 51.3444, 40.5581



47.8728, 51.3444, 90.7528



58.7679, 51.3444, 44.4170

Complementary

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



40.8550, 51.3444, 40.5581



46.1707, 40.2729, 58.7684

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.



59.8014, 51.3444, 58.6245



40.8550, 51.3444, 40.5581



53.2528, 51.3444, 87.2087

Square

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



40.8550, 51.3444, 40.5581



43.0980, 51.3444, 83.6583



57.7165, 51.3444, 74.7050



54.9868, 51.3444, 35.0890

Rectangle

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



40.8550, 51.3444, 40.5581



39.4997, 51.3444, 63.7879



57.7165, 51.3444, 74.7050



59.4593, 51.3444, 48.7004

Sweetspot

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



40.8564, 51.3466, 40.5592



86.2178, 95.7434, 95.0873



50.1783, 56.1819, 39.6526



18.2994, 20.4185, 20.1100



0.0000, 0.0000, 0.0000



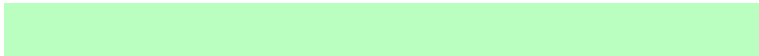
20.3446, 21.4041, 23.3091

Same Dimension

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



40.8564, 51.3466, 40.5592



65.4216, 85.7281, 62.2396



42.9904, 52.2002, 51.7970



10.5257, 11.8992, 11.4524



13.1924, 26.2894, 4.6920



0.6349, 1.2489, 0.2759

Inverse Universe

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



46.1707, 40.2729, 58.7684



76.1502, 63.3689, 98.9976



43.7646, 39.3104, 46.0978



11.0514, 10.8039, 13.2539



20.8389, 10.0851, 30.6914



0.9961, 0.4813, 1.5028

Previews

White Background



This preview shows how the XYZ color 40.8550, 51.3444, 40.5581 looks on a white background.

Color Contrast Check

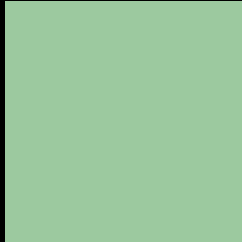
Large Text (above 18pt) WCAG AA × Fail

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 40.8550, 51.3444, 40.5581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

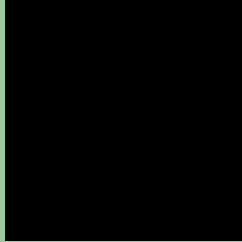
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8550, 51.3444, 40.5581

Background



This preview shows how black text looks on a background with the XYZ color 40.8550, 51.3444, 40.5581.



This preview shows how white text looks on a background with the XYZ color 40.8550, 51.3444,

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

40.8550, 51.3444, 40.5581

Protanopia

48.0348, 51.1126, 37.4710

Deuteranopia

51.9541, 50.8520, 41.7275



Tritanopia

46.4417, 51.2360, 68.4146

Trichromacy



Original Color

40.8550, 51.3444, 40.5581

Protanomaly

44.9939, 50.8208, 38.4483

Deuteranomaly

47.2249, 50.6059, 41.4613

Tritanomaly

44.2705, 51.3755, 56.8734

Monochromacy



Original Color

40.8550, 51.3444, 40.5581

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.2870, 48.7671, 47.1759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8550, 51.3444, 40.5581 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(156, 201, 159)` looks like.

```
.text, #text, p{  
    color:rgb(156, 201, 159)  
}
```

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(156, 201, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 201, 159) }
```

Border

The CSS property to change the border of an element to XYZ 40.8550, 51.3444, 40.5581 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(156, 201, 159) }
```


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

```
.border{ border-color:rgb(156, 201, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 201, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 201, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 201, 159);  
box-shadow:4px 4px 4px 4px rgb(156, 201,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8550, 51.3444, 40.5581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 201, 159) }
```

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

```
.background{ background-color: rgb(156,  
201, 159) }
```

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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