

Converting Colors

XYZ(40.4688, 55.8168, 35.5098)

Have a look what the booklet for
XYZ(40.4688, 55.8168, 35.5098)
contains.

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Color

**XYZ(40.4851, 55.9771,
35.4589)**

Conversions

Conversions Part 1

Format	Color
Hex	8FD691
RGB	143, 214, 145
RGB Percent	56%, 84%, 57%
CMY	0.4392, 0.1608, 0.4314
CMYK	0.33, 0.00, 0.32, 0.16
HSL	122°, 46%, 70%
HSV	122°, 33%, 84%
XYZ	40.4851, 55.9771, 35.4589
YIQ	184.9050, -20.1670, -36.5110

Conversions

Conversions Part 2

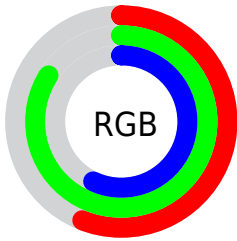
Format	Color
RYB	143, 212, 214
Decimal	9426577
CIELab	79.60, -35.87, 27.23
CIElCh	80, 45.034, 142.797
Yxy	55.9771, 0.3069, 0.4243
Android (android.graphics.Color)	4287616657 (0xFF8FD691)
YUV	184.9050, -19.6732, -36.7507
Hunter-Lab	74.8178, -34.3421, 24.2728

Details

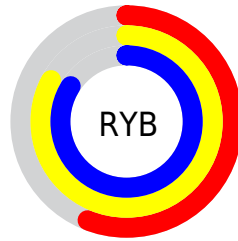
The XYZ color **40.4851, 55.9771, 35.4589** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **49.4395, 38.6957, 67.1529**, and the grayscale version is **46.1764, 48.5812, 52.9049**.

A 20% lighter version of the original color is **69.6220, 87.7856, 67.3077**, and **18.5383, 27.7283, 14.9647** is the 20% darker color. If you saturate the color by 10%, you get **35.6683, 53.6642, 27.6150**, and if you desaturate by 10%, it is **46.3051, 58.7764, 44.8844**.

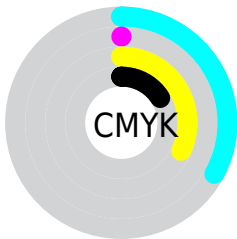
Distribution



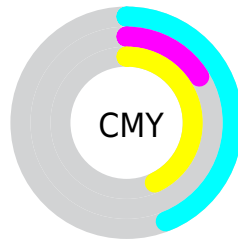
- Red (56%)
- Green (84%)
- Blue (57%)



- Red (56%)
- Yellow (83%)
- Blue (84%)



- Cyan (33%)
- Magenta (0%)
- Yellow (32%)
- Black (16%)





- Cyan (44%)
- Magenta (16%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4851, 55.9771, 35.4589 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 40.4851, 55.9771, 35.4589 by changing the saturation by 10% instead.

 40.4851, 55.9771,
35.4589


 40.4851, 55.9771,
35.4589


339.2634,
409.6052, 341.5549

 28.1029, 40.1846,
23.7302


 75.1813, 98.9711,
69.3557

 18.5441, 27.6825,
14.9233


 98.2260, 126.9413,
92.3609

 11.4433, 18.0864,
8.6195


125.5555,
159.7396, 119.9619

 6.4353, 11.0121,
4.4004

157.5352,
197.7503, 152.5775

 3.1547, 6.0750,
1.8475

194.5305,
241.3578, 190.6260

 1.2361, 2.8907,
0.4590

236.9068,

 0.1346, 1.0749,

290.9465, 234.5260

0.0000

285.0293,
346.9009, 284.6961

■ 0.0000, 0.0000,
0.0000

■ 40.4851, 55.9771,
35.4589

■ 40.4851, 55.9771,
35.4589

■ 35.6683, 53.6642,
27.6150

■ 46.3051, 58.7764,
44.8844

■ 31.7941, 51.8036,
21.2628

■ 53.1758, 62.0803,
55.9677

■ 28.8018, 50.3675,
16.3088

■ 61.1471, 65.9142,
68.7843

■ 26.6222, 49.3227,
12.6476

■ 70.2644, 70.3002,
83.4042

■ 25.1757, 48.6306,
10.1590

■ 80.5703, 75.2588,
99.8933

■ 24.3664, 48.2448,
8.7000

■ 83.3377, 76.5753,
104.9959

■ 24.0807, 48.1085,
8.1899

Harmonies

Analogous

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



46.7279, 55.9771, 25.5211



40.4851, 55.9771, 35.4589



37.7073, 55.9771, 54.8981

Triad

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



40.4851, 55.9771, 35.4589



51.0473, 55.9771, 125.1603



70.9599, 55.9771, 43.5695

Complementary

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



40.4851, 55.9771, 35.4589



49.4395, 38.6957, 67.1529

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.



72.4546, 55.9771, 67.4301



40.4851, 55.9771, 35.4589



60.2537, 55.9771, 119.5774

Square

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



40.4851, 55.9771, 35.4589



43.3392, 55.9771, 110.0274



68.3428, 55.9771, 96.4199



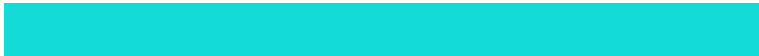
64.4638, 55.9771, 29.1898

Rectangle

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



40.4851, 55.9771, 35.4589



37.9428, 55.9771, 72.6983



68.3428, 55.9771, 96.4199



72.0919, 55.9771, 50.5401

Sweetspot

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



40.4865, 55.9795, 35.4601



82.5465, 93.9858, 88.8144



56.3943, 64.1979, 35.4062



17.3216, 19.9501, 18.4519



0.0000, 0.0000, 0.0000



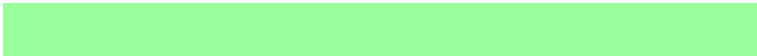
20.3446, 21.4041, 23.3091

Same Dimension

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



40.4865, 55.9795, 35.4601



54.8870, 80.6884, 44.0783



43.5818, 57.2176, 51.7596



12.2765, 13.9016, 13.2703



14.5610, 29.0797, 4.9838



0.8833, 1.7560, 0.3275

Inverse Universe

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



49.4395, 38.6957, 67.1529



70.2218, 51.0787, 98.3579



45.5231, 37.1291, 46.5294



12.9372, 12.6264, 15.6096



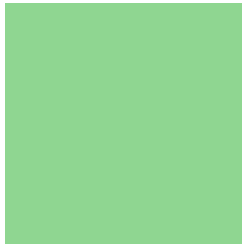
23.6481, 11.3956, 37.0466



1.4312, 0.6893, 2.2602

Previews

White Background



This preview shows how the XYZ color 40.4851, 55.9771, 35.4589 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 40.4851, 55.9771, 35.4589 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

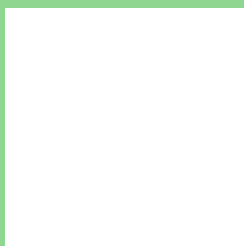
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.4851, 55.9771, 35.4589

Background



This preview shows how black text looks on a background with the XYZ color 40.4851, 55.9771, 35.4589.



This preview shows how white text looks on a background with the XYZ color 40.4851, 55.9771,

35.4589.

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

40.4851, 55.9771, 35.4589

Protanopia

51.4067, 55.2830, 31.6282

Deuteranopia

56.5241, 55.1897, 36.9517



Tritanopia

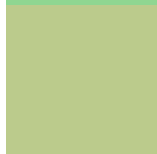
48.5486, 55.5743, 76.5747

Trichromacy



Original Color

40.4851, 55.9771, 35.4589



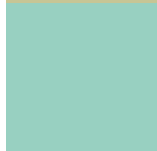
Protanomaly

46.5831, 55.1701, 33.0047



Deuteranomaly

48.9443, 54.2445, 36.3244



Tritanomaly

45.1304, 55.6374, 58.8125

Monochromacy



Original Color

40.4851, 55.9771, 35.4589



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.5732, 50.9282, 45.5638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4851, 55.9771, 35.4589 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(143, 214, 145)` looks like.

```
.text, #text, p{  
    color:rgb(143, 214, 145)  
}
```

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(143, 214, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 214, 145) }
```

Border

The CSS property to change the border of an element to XYZ 40.4851, 55.9771, 35.4589 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(143, 214, 145) }
```


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

```
.border{ border-color:rgb(143, 214, 145) }
```

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

Here you see how a box with a 4 pixel rgb(143, 214, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 214, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 214, 145);  
box-shadow:4px 4px 4px 4px rgb(143, 214,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4851, 55.9771, 35.4589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 214, 145) }
```

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

```
.background{ background-color: rgb(143,  
214, 145) }
```

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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