

Converting Colors

XYZ(40.6956, 50.5845, 39.9666)

Have a look what the booklet for
XYZ(40.6956, 50.5845, 39.9666)
contains.

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Color

**XYZ(40.6955, 50.5846,
39.9667)**

Conversions

Conversions Part 1

Format	Color
Hex	9EC79E
RGB	158, 199, 158
RGB Percent	62%, 78%, 62%
CMY	0.3804, 0.2196, 0.3804
CMYK	0.21, 0.00, 0.21, 0.22
HSL	120°, 27%, 70%
HSV	120°, 21%, 78%
XYZ	40.6955, 50.5846, 39.9667
YIQ	182.0670, -11.2750, -21.4430

Conversions

Conversions Part 2

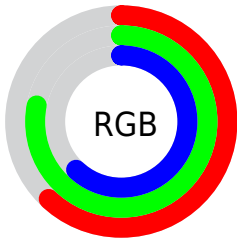
Format	Color
RYB	158, 199, 199
Decimal	10405790
CIELab	76.43, -21.54, 16.16
CIElCh	76, 26.924, 143.124
Yxy	50.5846, 0.3101, 0.3854
Android (android.graphics.Color)	4288595870 (0xFF9EC79E)
YUV	182.0670, -11.8650, -21.1068
Hunter-Lab	71.1229, -22.3298, 16.4686

Details

The XYZ color **40.6955, 50.5846, 39.9667** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.0906, 40.7204, 59.4655**, and the grayscale version is **44.5680, 46.8890, 51.0621**.

A 20% lighter version of the original color is **75.2108, 90.4702, 76.4493**, and **18.7231, 24.3765, 17.6282** is the 20% darker color. If you saturate the color by 10%, you get **35.5171, 48.0987, 31.4954**, and if you desaturate by 10%, it is **46.7879, 53.5126, 49.9307**.

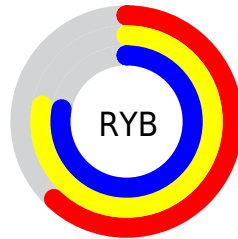
Distribution



Red (62%)

Green (78%)

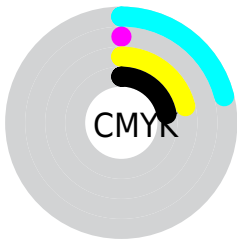
Blue (62%)



Red (62%)

Yellow (78%)

Blue (78%)

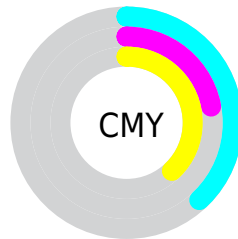


Cyan (21%)

Magenta (0%)

Yellow (21%)

Black (22%)



Cyan (38%)


Magenta (22%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6955, 50.5846, 39.9667 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 40.6955, 50.5846, 39.9667 by changing the saturation by 10% instead.


 40.6955, 50.5846,
39.9667


 40.6955, 50.5846,
39.9667


340.1307,
388.9477, 361.5311

 28.2679, 35.8781,
27.1990


 75.4991, 91.0404,
76.3493

 18.6692, 24.3401,
17.4890


 98.6057, 117.5586,
100.8013

 11.5340, 15.5861,
10.4181

126.0027,
148.7828, 129.9852

 6.4972, 9.2317,
5.5678

158.0554,
185.0974, 164.3194

 3.1932, 4.8926,
2.5196

195.1292,
226.8868, 204.2226

 1.2567, 2.1844,
0.8505

237.5895,

 0.1505, 0.7115,

274.5353, 250.1133

0.0000

285.8015,
328.4275, 302.4099

■ 0.0000, 0.0000,
0.0000

■ 40.6955, 50.5846,
39.9667

■ 40.6955, 50.5846,
39.9667

■ 35.5171, 48.0987,
31.4954

■ 46.7879, 53.5126,
49.9307

■ 31.2049, 46.0273,
24.4420

■ 53.8311, 56.8958,
61.4510

■ 27.7127, 44.3498,
18.7299

■ 61.8647, 60.7548,
74.5913

■ 24.9887, 43.0413,
14.2743

■ 70.9251, 65.1070,
89.4111

■ 22.9751, 42.0741,
10.9805

■ 79.7144, 69.3289,
103.7881

■ 21.6057, 41.4163,
8.7405

■ 20.8022, 41.0303,
7.4261

■ 20.4245, 40.8489,
6.8083

Harmonies

Analogous

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



44.3517, 50.5846, 33.1867



40.6955, 50.5846, 39.9667



39.0363, 50.5846, 51.8030

Triad

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



40.6955, 50.5846, 39.9667



46.9216, 50.5846, 87.7030



57.6124, 50.5846, 44.8258

Complementary

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



40.6955, 50.5846, 39.9667



46.0906, 40.7204, 59.4655

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.



58.4206, 50.5846, 58.4882



40.6955, 50.5846, 39.9667



52.0098, 50.5846, 84.9477

Square

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



40.6955, 50.5846, 39.9667



42.4637, 50.5846, 80.5639



56.3059, 50.5846, 73.5863



54.1690, 50.5846, 35.6285

Rectangle

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



40.6955, 50.5846, 39.9667



39.1971, 50.5846, 61.6632



56.3059, 50.5846, 73.5863



58.2108, 50.5846, 48.9792

Sweetspot

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



40.6968, 50.5867, 39.9678



87.2771, 96.2663, 96.1862



50.1504, 55.4603, 40.4098



18.5080, 20.5219, 20.3050



0.0000, 0.0000, 0.0000



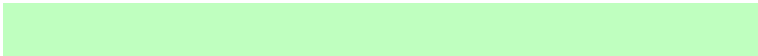
20.3446, 21.4041, 23.3091

Same Dimension

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



40.6968, 50.5867, 39.9678



66.7405, 86.4015, 62.5951



42.6116, 51.3526, 50.0507



10.4975, 11.8879, 11.3041



13.1328, 26.2655, 4.3777



0.6218, 1.2437, 0.2073

Inverse Universe

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



46.0906, 40.7204, 59.4655



77.9751, 65.8506, 103.2071



43.8678, 39.8313, 47.7607



11.0831, 10.8166, 13.4211



21.7737, 10.4590, 35.6136



1.0310, 0.4952, 1.6863

Previews

White Background



This preview shows how the XYZ color 40.6955, 50.5846, 39.9667 looks on a white background.

Color Contrast Check

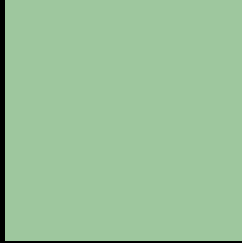
Large Text (above 18pt) WCAG AA × Fail

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 40.6955, 50.5846, 39.9667 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 40.6955, 50.5846, 39.9667

Background



This preview shows how black text looks on a background with the XYZ color 40.6955, 50.5846, 39.9667.



This preview shows how white text looks on a background with the XYZ color 40.6955, 50.5846,

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

40.6955, 50.5846, 39.9667

Protanopia

47.2862, 50.4085, 37.3745

Deuteranopia

51.3644, 50.2553, 41.1755



Tritanopia

45.9607, 50.3603, 66.9726

Trichromacy



Original Color

40.6955, 50.5846, 39.9667

Protanomaly

44.5332, 50.2562, 38.3636

Deuteranomaly

46.9219, 50.1418, 40.9235

Tritanomaly

43.9136, 50.5344, 56.1548

Monochromacy



Original Color

40.6955, 50.5846, 39.9667

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.7596, 47.8678, 46.5209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6955, 50.5846, 39.9667 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(158, 199, 158)` looks like.

```
.text, #text, p{  
    color:rgb(158, 199, 158)  
}
```

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(158, 199, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 199, 158) }
```

Border

The CSS property to change the border of an element to XYZ 40.6955, 50.5846, 39.9667 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(158, 199, 158) }
```


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

```
.border{ border-color:rgb(158, 199, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 199, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 199, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 199, 158);  
box-shadow:4px 4px 4px 4px rgb(158, 199,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6955, 50.5846, 39.9667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 199, 158) }
```

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

```
.background{ background-color: rgb(158,  
199, 158) }
```

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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