

Converting Colors

XYZ(34.4717, 40.5115, 39.8394)

Have a look what the booklet for
XYZ(34.4717, 40.5115, 39.8394)
contains.

XYZ(34.5662, 40.7099, 39.7542)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.5662, 40.7099,
39.7542)**

Conversions

Conversions Part 1

Format	Color
Hex	94B2A1
RGB	148, 178, 161
RGB Percent	58%, 70%, 63%
CMY	0.4196, 0.3019, 0.3686
CMYK	0.17, 0.00, 0.10, 0.30
HSL	146°, 16%, 64%
HSV	146°, 17%, 70%
XYZ	34.5662, 40.7099, 39.7542
YIQ	167.0920, -12.4230, -11.6470

Conversions

Conversions Part 2

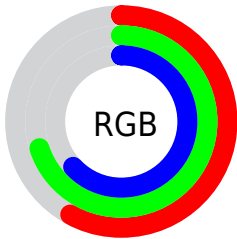
Format	Color
RYB	148, 169, 178
Decimal	9745057
CIELab	69.97, -13.67, 5.28
CIELCh	70, 14.659, 158.879
Yxy	40.7099, 0.3005, 0.3539
Android (android.graphics.Color)	4287935137 (0xFF94B2A1)
YUV	167.0920, -3.0034, -16.7437
Hunter-Lab	63.8043, -14.9546, 7.7215

Details

The XYZ color **34.5662, 40.7099, 39.7542** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.7430, 33.3625, 40.1550**, and the grayscale version is **36.7949, 38.7111, 42.1563**.

A 20% lighter version of the original color is **66.1746, 76.3601, 76.2169**, and **15.0779, 18.3344, 17.4961** is the 20% darker color. If you saturate the color by 10%, you get **30.7369, 38.8356, 35.1175**, and if you desaturate by 10%, it is **38.9647, 42.8716, 44.7939**.

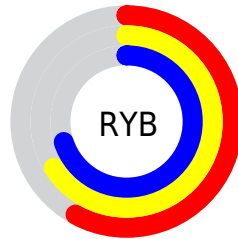
Distribution



Red (58%)

Green (70%)

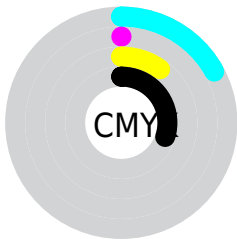
Blue (63%)



Red (58%)

Yellow (66%)

Blue (70%)

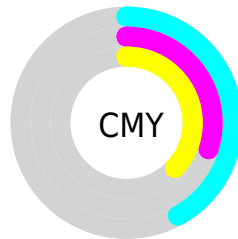


Cyan (17%)

Magenta (0%)

Yellow (10%)

Black (30%)



Cyan (42%)

Magenta (30%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5662, 40.7099, 39.7542 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 34.5662, 40.7099, 39.7542 by changing the saturation by 10% instead.

■ 34.5662, 40.7099,
39.7542

■ 34.5662, 40.7099,
39.7542

314.1911,
349.1067, 360.6077

■ 23.4939, 28.0925,
27.0346

■ 66.1517, 76.2433,
76.0221

■ 15.0813, 18.3954,
17.3666

■ 87.3955, 99.9281,
100.4074

■ 8.9631, 11.2342,
10.3315

112.7605,
128.0708, 129.5185

■ 4.7741, 6.2246,
5.5108

142.6121,
161.0558, 163.7737

■ 2.1487, 2.9821,
2.4860

177.3156,
199.2675, 203.5917

■ 0.7155, 1.1224,
0.8327

217.2363,

■ 0.0000, 0.0000,

243.0903, 249.3910

0.0000

262.7397,
292.9085, 301.5902

■ 34.5662, 40.7099,
39.7542

■ 34.5662, 40.7099,
39.7542

■ 30.7369, 38.8356,
35.1175

■ 38.9647, 42.8716,
44.7939

■ 27.4492, 37.2313,
30.8712

■ 43.9518, 45.3271,
50.2436

■ 24.6781, 35.8855,
27.0059

■ 49.5500, 48.0889,
56.1132

■ 22.3954, 34.7837,
23.5108

■ 55.7798, 51.1675,
62.4119

■ 20.5700, 33.9102,
20.3744

■ 62.6604, 54.5726,
69.1481

■ 19.1669, 33.2472,
17.5849

■ 70.2105, 58.3137,
76.3303

■ 18.1458, 32.7740,
15.1294

■ 71.6719, 58.9066,
83.6496

■ 17.4503, 32.4621,
12.9939

■ 73.1434, 59.4952,
91.3985

■ 17.2652, 32.3799,
12.3849

■ 74.6985, 60.1172,
99.5873

Harmonies

Analogous

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



35.8823, 40.7099, 34.8564



34.5662, 40.7099, 39.7542



34.3316, 40.7099, 46.3871

Triad

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



34.5662, 40.7099, 39.7542



39.4066, 40.7099, 58.6305



42.3795, 40.7099, 36.5734

Complementary

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



34.5662, 40.7099, 39.7542



35.7430, 33.3625, 40.1550

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.



43.4101, 40.7099, 42.3272



34.5662, 40.7099, 39.7542



41.6479, 40.7099, 55.3723

Square

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



34.5662, 40.7099, 39.7542



37.0624, 40.7099, 57.7602



43.1370, 40.7099, 49.2359



40.3719, 40.7099, 33.1556

Rectangle

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



34.5662, 40.7099, 39.7542



34.8103, 40.7099, 50.9857



43.1370, 40.7099, 49.2359



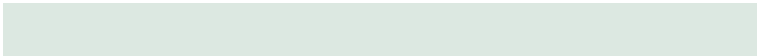
42.8553, 40.7099, 38.2733

Sweetspot

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



34.5673, 40.7116, 39.7551



72.1770, 78.4891, 82.9200



36.8884, 42.0338, 34.1867



15.8576, 17.3237, 18.2229



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



34.5673, 40.7116, 39.7551



60.1432, 72.5795, 69.0723



35.9216, 41.2533, 46.8867



8.5368, 9.5492, 9.8203



12.3833, 23.1793, 9.0212



0.4191, 0.7411, 0.4391

Inverse Universe

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



35.7430, 33.3625, 40.1550



62.6543, 56.8810, 69.9251



34.4967, 32.8639, 33.5917



8.6913, 8.5832, 9.8729



14.8452, 7.4556, 9.6106



0.4957, 0.2460, 0.4531

Previews

White Background



This preview shows how the XYZ color 34.5662, 40.7099, 39.7542 looks on a white background.

Color Contrast Check

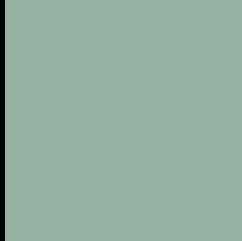
Large Text (above 18pt) WCAG AA × Fail

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 34.5662, 40.7099, 39.7542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

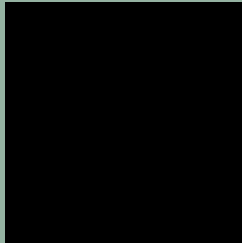
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.5662, 40.7099, 39.7542

Background



This preview shows how black text looks on a background with the XYZ color 34.5662, 40.7099, 39.7542.

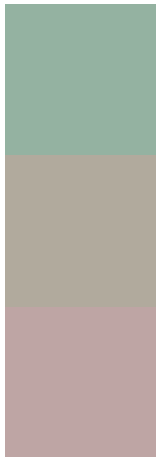


This preview shows how white text looks on a background with the XYZ color 34.5662, 40.7099,

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

34.5662, 40.7099, 39.7542

Protanopia

38.5920, 40.5309, 37.6875

Deuteranopia

41.3912, 40.5378, 40.7650



Tritanopia

37.3500, 40.6752, 53.4595

Trichromacy



Original Color

34.5662, 40.7099, 39.7542

Protanomaly

36.8410, 40.4628, 38.2161

Deuteranomaly

38.6648, 40.5078, 40.4313

Tritanomaly

36.1284, 40.4536, 48.0236

Monochromacy



Original Color

34.5662, 40.7099, 39.7542

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.8516, 39.3160, 41.2965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5662, 40.7099, 39.7542 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(148, 178, 161)` looks like.

```
.text, #text, p{  
    color:rgb(148, 178, 161)  
}
```

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(148, 178, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 178, 161) }
```

Border

The CSS property to change the border of an element to XYZ 34.5662, 40.7099, 39.7542 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(148, 178, 161) }
```


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

```
.border{ border-color:rgb(148, 178, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 178, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 178, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 178, 161);  
box-shadow:4px 4px 4px 4px rgb(148, 178,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5662, 40.7099, 39.7542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 178, 161) }
```

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

```
.background{ background-color: rgb(148,  
178, 161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor