

Converting Colors

XYZ(40.9649, 55.8676, 34.6110)

Have a look what the booklet for
XYZ(40.9649, 55.8676, 34.6110)
contains.

XYZ(40.9649, 55.8676, 34.6110)	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(40.9649, 55.8676,
34.6110)**

Conversions

Conversions Part 1

Format	Color
Hex	94D58F
RGB	148, 213, 143
RGB Percent	58%, 84%, 56%
CMY	0.4196, 0.1647, 0.4392
CMYK	0.31, 0.00, 0.33, 0.16
HSL	116°, 45%, 70%
HSV	116°, 33%, 84%
XYZ	40.9649, 55.8676, 34.6110
YIQ	185.5850, -16.2700, -35.5500

Conversions

Conversions Part 2

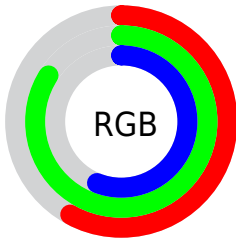
Format	Color
RYB	143, 213, 208
Decimal	9753999
CIELab	79.54, -34.12, 28.23
CIELCh	80, 44.283, 140.400
Yxy	55.8676, 0.3117, 0.4250
Android (android.graphics.Color)	4287944079 (0xFF94D58F)
YUV	185.5850, -20.9944, -32.9620
Hunter-Lab	74.7446, -32.9735, 24.8666

Details

The XYZ color **40.9649, 55.8676, 34.6110** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.8476, 37.8606, 67.7398**, and the grayscale version is **46.5613, 48.9862, 53.3459**.

A 20% lighter version of the original color is **70.7399, 88.3886, 66.1556**, and **18.8779, 27.6593, 14.4690** is the 20% darker color. If you saturate the color by 10%, you get **36.2252, 53.5949, 26.7511**, and if you desaturate by 10%, it is **46.6253, 58.5828, 44.1155**.

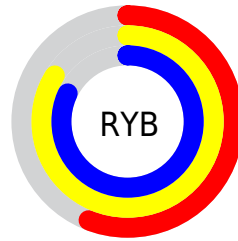
Distribution



Red (58%)

Green (84%)

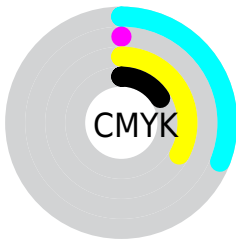
Blue (56%)



Red (56%)

Yellow (84%)

Blue (82%)

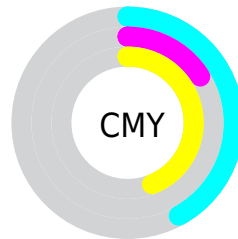


Cyan (31%)

Magenta (0%)

Yellow (33%)

Black (16%)



Cyan (42%)

Magenta (16%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9649, 55.8676, 34.6110 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 40.9649, 55.8676, 34.6110 by changing the saturation by 10% instead.

■ 40.9649, 55.8676,
34.6110

■ 40.9649, 55.8676,
34.6110

341.2390,
409.1923, 337.6999

■ 28.4792, 40.0968,
23.0822

■ 75.9057, 98.8110,
68.0274

■ 18.8295, 27.6140,
14.4484

■ 99.0914, 126.7523,
90.7522

■ 11.6504, 18.0349,
8.2909

126.5746,
159.5193, 118.0460

■ 6.5766, 10.9750,
4.1912

158.7205,
197.4963, 150.3274

■ 3.2427, 6.0501,
1.7308

195.8946,
241.0677, 188.0149

■ 1.2834, 2.8755,
0.3817

238.4621,

■ 0.1707, 1.0671,

290.6179, 231.5272

0.0000

286.7885,
346.5313, 281.2827

■ 0.0000, 0.0000,
0.0000

■ 40.9649, 55.8676,
34.6110

■ 40.9649, 55.8676,
34.6110

■ 36.2252, 53.5949,
26.7511

■ 46.6253, 58.5828,
44.1155

■ 32.3533, 51.7346,
20.4392

■ 53.2468, 61.7546,
55.3468

■ 29.2978, 50.2639,
15.5741

■ 60.8730, 65.4053,
68.3857

■ 27.0000, 49.1552,
12.0412

■ 69.5432, 69.5537,
83.3071

■ 25.3931, 48.3768,
9.7087

■ 79.2948, 74.2174,
100.1816

■ 24.3989, 47.8918,
8.4175

■ 83.0854, 76.0708,
104.9118

■ 23.9958, 47.6941,
7.9412

Harmonies

Analogous

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



47.3505, 55.8676, 25.4608



40.9649, 55.8676, 34.6110



37.9377, 55.8676, 53.0097

Triad

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



40.9649, 55.8676, 34.6110



50.2945, 55.8676, 123.1578



70.8290, 55.8676, 45.2822

Complementary

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



40.9649, 55.8676, 34.6110



47.8476, 37.8606, 67.7398

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.



71.8449, 55.8676, 69.3846



40.9649, 55.8676, 34.6110



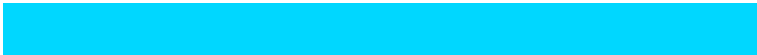
59.2981, 55.8676, 119.3728

Square

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



40.9649, 55.8676, 34.6110



42.9125, 55.8676, 107.0019



67.4233, 55.8676, 97.7673



64.7853, 55.8676, 30.3188

Rectangle

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



40.9649, 55.8676, 34.6110



37.9709, 55.8676, 70.1229



67.4233, 55.8676, 97.7673



71.7942, 55.8676, 52.3973

Sweetspot

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



40.9663, 55.8700, 34.6122



83.0315, 94.2475, 88.3107



54.7542, 60.8386, 34.8446



17.4376, 20.0127, 18.3315



0.0000, 0.0000, 0.0000



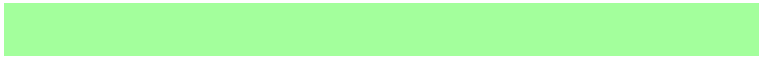
20.3446, 21.4041, 23.3091

Same Dimension

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



40.9663, 55.8700, 34.6122



56.7557, 81.6549, 44.0227



42.5861, 56.4157, 47.7600



12.3437, 13.9379, 13.2004



14.6890, 29.1488, 4.8521



0.9154, 1.7733, 0.2940

Inverse Universe

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



47.8476, 37.8606, 67.7398



68.5385, 50.7841, 100.7977



45.8993, 37.2462, 50.0278



12.8614, 12.5855, 15.6889



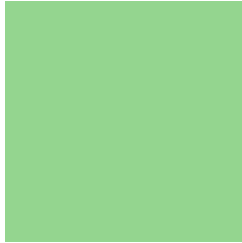
21.5652, 10.2698, 39.2988



1.3275, 0.6332, 2.3716

Previews

White Background



This preview shows how the XYZ color 40.9649, 55.8676, 34.6110 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 40.9649, 55.8676, 34.6110 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 40.9649, 55.8676, 34.6110

Background



This preview shows how black text looks on a background with the XYZ color 40.9649, 55.8676, 34.6110.

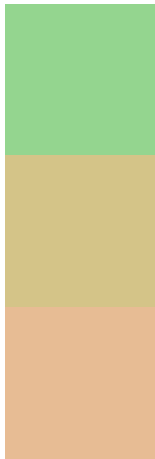


This preview shows how white text looks on a background with the XYZ color 40.9649, 55.8676,

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

40.9649, 55.8676, 34.6110

Protanopia

51.3352, 55.2545, 31.2521

Deuteranopia

56.2835, 55.0935, 35.6846



Tritanopia

49.1745, 55.5606, 75.8426

Trichromacy



Original Color

40.9649, 55.8676, 34.6110

Protanomaly

46.7670, 54.9240, 32.5626

Deuteranomaly

49.2420, 54.4253, 35.1039

Tritanomaly

45.7319, 55.5995, 58.1906

Monochromacy



Original Color

40.9649, 55.8676, 34.6110

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

44.0089, 51.1528, 45.5842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9649, 55.8676, 34.6110 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, 213, 143)` looks like.

```
.text, #text, p{  
    color:rgb(148, 213, 143)  
}
```

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, 213, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 213, 143) }
```

Border

The CSS property to change the border of an element to XYZ 40.9649, 55.8676, 34.6110 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, 213, 143) }
```


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

```
.border{ border-color:rgb(148, 213, 143) }
```

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

Here you see how a box with a 4 pixel rgb(148, 213, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 213, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 213, 143);  
box-shadow:4px 4px 4px 4px rgb(148, 213,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9649, 55.8676, 34.6110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 213, 143) }
```

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

```
.background{ background-color: rgb(148,  
213, 143) }
```

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