

Converting Colors

XYZ(42.0847, 55.0665, 51.4246)

Have a look what the booklet for
XYZ(42.0847, 55.0665, 51.4246)
contains.

XYZ(42.1000, 54.9639, 51.5702)	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(42.1000, 54.9639,
51.5702)**

Conversions

Conversions Part 1

Format	Color
Hex	8CD2B4
RGB	140, 210, 180
RGB Percent	55%, 82%, 71%
CMY	0.4510, 0.1765, 0.2941
CMYK	0.33, 0.00, 0.14, 0.18
HSL	154°, 44%, 69%
HSV	154°, 33%, 82%
XYZ	42.1000, 54.9639, 51.5702
YIQ	185.6500, -32.0900, -24.1700

Conversions

Conversions Part 2

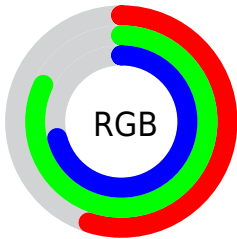
Format	Color
RYB	140, 185, 210
Decimal	9228980
CIELab	79.02, -28.43, 7.93
CIElCh	79, 29.516, 164.416
Yxy	54.9639, 0.2832, 0.3698
Android (android.graphics.Color)	4287419060 (0xFF8CD2B4)
YUV	185.6500, -2.7855, -40.0351
Hunter-Lab	74.1376, -28.3774, 10.6542

Details

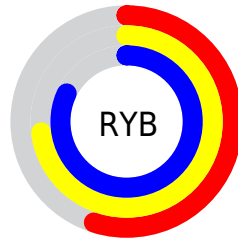
The XYZ color **42.1000, 54.9639, 51.5702** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.2140, 35.3614, 42.5802**, and the grayscale version is **46.5055, 48.9274, 53.2819**.

A 20% lighter version of the original color is **73.4060, 89.1782, 92.7011**, and **19.4826, 27.0012, 24.2636** is the 20% darker color. If you saturate the color by 10%, you get **38.0063, 52.9575, 46.7473**, and if you desaturate by 10%, it is **46.9316, 57.3467, 56.7409**.

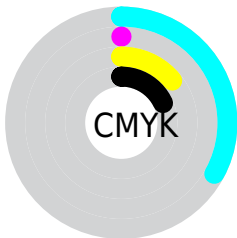
Distribution



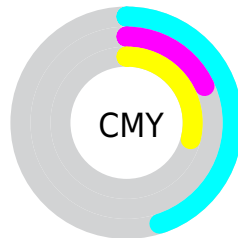
- Red (55%)
- Green (82%)
- Blue (71%)



- Red (55%)
- Yellow (73%)
- Blue (82%)



- Cyan (33%)
- Magenta (0%)
- Yellow (14%)
- Black (18%)





- Cyan (45%)
- Magenta (18%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1000, 54.9639, 51.5702 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 42.1000, 54.9639, 51.5702 by changing the saturation by 10% instead.


 42.1000, 54.9639,
51.5702


 42.1000, 54.9639,
51.5702


345.8819,
405.7751, 409.6847


 29.3711, 39.3728,
36.2827


 77.6152, 97.4881,
93.9172

 19.5074, 27.0499,
24.3612

 101.1321,
125.1899, 121.8138

 12.1436, 17.6107,
15.3871


 128.9757,
157.6975, 154.7505

 6.9145, 10.6708,
8.9419

161.5114,
195.3952, 193.1458

 3.4545, 5.8460,
4.6070

199.1045,
238.6674, 237.4184

 1.3984, 2.7516,
1.9639

242.1204,

 0.2551, 1.0035,

287.8986, 287.9867

0.5329

290.9244,
343.4730, 345.2693

■ 0.0000, 0.0000,
0.0000

■ 42.1000, 54.9639,
51.5702

■ 42.1000, 54.9639,
51.5702

■ 38.0063, 52.9575,
46.7473

■ 46.9316, 57.3467,
56.7409

■ 34.6063, 51.3006,
42.2607

■ 52.5330, 60.1179,
62.2630

■ 31.8580, 49.9729,
38.1036


■ 58.9400, 63.2973,
68.1449


■ 29.7125, 48.9495,
34.2674


■ 66.1844, 66.9011,
74.3935


■ 28.1138, 48.2017,
30.7433

■ 74.2964, 70.9449,
81.0154


 26.9944, 47.6948,
27.5212

 79.1396, 73.2960,
87.8224

 26.4376, 47.4512,
25.5342

 80.4662, 73.8266,
94.8077

 81.8593, 74.3839,
102.1440

 82.3376, 74.5752,
104.6625

Harmonies

Analogous

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



44.7289, 54.9639, 39.5876



42.1000, 54.9639, 51.5702



42.0484, 54.9639, 68.2659

Triad

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



42.1000, 54.9639, 51.5702



55.1042, 54.9639, 96.9589



60.7313, 54.9639, 39.9427

Complementary

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



42.1000, 54.9639, 51.5702



43.2140, 35.3614, 42.5802

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.



63.9617, 54.9639, 52.1492



42.1000, 54.9639, 51.5702



60.5515, 54.9639, 86.0516

Square

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



42.1000, 54.9639, 51.5702



49.2656, 54.9639, 96.7236



63.8935, 54.9639, 68.9637



55.3349, 54.9639, 33.7833

Rectangle

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



42.1000, 54.9639, 51.5702



43.4670, 54.9639, 80.0533



63.8935, 54.9639, 68.9637



62.1239, 54.9639, 43.3626

Sweetspot

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



42.1015, 54.9662, 51.5714



84.5728, 94.7963, 99.4845



44.4317, 56.5723, 33.3894



17.8093, 20.1452, 21.0204



0.0000, 0.0000, 0.0000



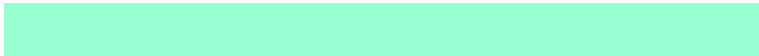
20.3446, 21.4041, 23.3091

Same Dimension

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



42.1015, 54.9662, 51.5714



60.6903, 83.0097, 74.6383



44.3610, 54.0531, 69.0706



11.9353, 13.3179, 14.0157



16.1771, 28.9638, 15.8448



0.9439, 1.6352, 1.0931

Inverse Universe

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



43.2140, 35.3614, 42.5802



62.6768, 48.0607, 58.6263



41.3881, 35.7454, 29.5299



12.0160, 11.8912, 13.3603



17.3864, 8.8274, 6.9410



1.0115, 0.5093, 0.5955

Previews

White Background



This preview shows how the XYZ color 42.1000, 54.9639, 51.5702 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 42.1000, 54.9639, 51.5702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

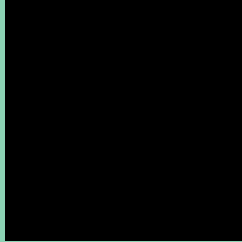
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1000, 54.9639, 51.5702

Background



This preview shows how black text looks on a background with the XYZ color 42.1000, 54.9639, 51.5702.

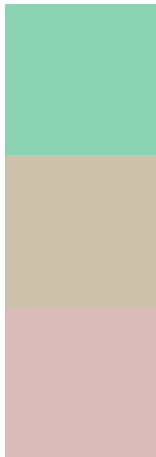


This preview shows how white text looks on a background with the XYZ color 42.1000, 54.9639, 51.5702.

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

42.1000, 54.9639, 51.5702

Protanopia

51.6400, 54.3995, 46.8082

Deuteranopia

55.3554, 54.2209, 53.4471



Tritanopia

47.0384, 54.7958, 76.5041

Trichromacy



Original Color

42.1000, 54.9639, 51.5702



Protanomaly

47.4482, 54.2275, 48.5236



Deuteranomaly

49.2734, 53.7176, 52.5713



Tritanomaly

45.0659, 54.7098, 66.5773

Monochromacy



Original Color

42.1000, 54.9639, 51.5702



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

44.5290, 50.9259, 52.8302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1000, 54.9639, 51.5702 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(140, 210, 180)` looks like.

```
.text, #text, p{  
    color:rgb(140, 210, 180)  
}
```

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(140, 210, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 210, 180) }
```

Border

The CSS property to change the border of an element to XYZ 42.1000, 54.9639, 51.5702 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(140, 210, 180) }
```


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

```
.border{ border-color:rgb(140, 210, 180) }
```

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

Here you see how a box with a 4 pixel rgb(140, 210, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 210, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 210, 180);  
box-shadow:4px 4px 4px 4px rgb(140, 210,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1000, 54.9639, 51.5702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 210, 180) }
```

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

```
.background{ background-color: rgb(140,  
210, 180) }
```

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