

Converting Colors

XYZ(42.4080, 49.4822, 54.6432)

Have a look what the booklet for
XYZ(42.4080, 49.4822, 54.6432)
contains.

XYZ(42.4694, 49.4835, 54.8898)	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(42.4694, 49.4835,
54.8898)**

Conversions

Conversions Part 1

Format	Color
Hex	9EC2BC
RGB	158, 194, 188
RGB Percent	62%, 76%, 74%
CMY	0.3804, 0.2392, 0.2627
CMYK	0.19, 0.00, 0.03, 0.24
HSL	170°, 23%, 69%
HSV	170°, 19%, 76%
XYZ	42.4694, 49.4835, 54.8898
YIQ	182.5520, -19.5300, -9.4980

Conversions

Conversions Part 2

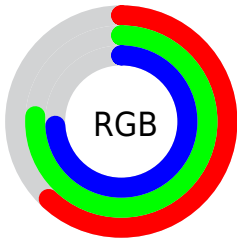
Format	Color
RYB	158, 178, 194
Decimal	10404540
CIELab	75.75, -13.23, -0.98
CIELCh	76, 13.264, 184.250
Yxy	49.4835, 0.2892, 0.3370
Android (android.graphics.Color)	4288594620 (0xFF9EC2BC)
YUV	182.5520, 2.6859, -21.5321
Hunter-Lab	70.3445, -15.3363, 2.9772

Details

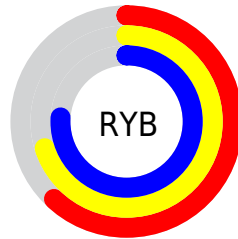
The XYZ color **42.4694, 49.4835, 54.8898** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.1776, 38.6047, 40.4052**, and the grayscale version is **44.7590, 47.0900, 51.2810**.

A 20% lighter version of the original color is **78.2669, 89.6721, 98.7713**, and **19.6951, 23.5696, 26.4330** is the 20% darker color. If you saturate the color by 10%, you get **38.6060, 47.5330, 52.9099**, and if you desaturate by 10%, it is **46.9459, 51.7518, 56.9413**.

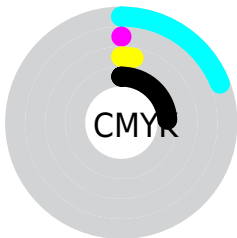
Distribution



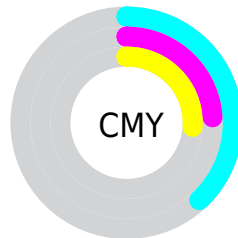
- Red (62%)
- Green (76%)
- Blue (74%)



- Red (62%)
- Yellow (70%)
- Blue (76%)



- Cyan (19%)
- Magenta (0%)
- Yellow (3%)
- Black (24%)





- Cyan (38%)
- Magenta (24%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4694, 49.4835, 54.8898 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 42.4694, 49.4835, 54.8898 by changing the saturation by 10% instead.


 42.4694, 49.4835,
54.8898


 42.4694, 49.4835,
54.8898


347.3837,
384.6427, 422.7642

 29.6617, 35.0032,
38.9155

 78.1703, 89.4091,
98.8490

 19.7288, 23.6653,
26.3867

 101.7942,
115.6232, 127.6710

 12.3052, 15.0855,
16.8848


129.7542,
146.5174, 161.6126

 7.0255, 8.8794,
9.9913

162.4157,
182.4760, 201.0924

 3.5245, 4.6626,
5.2876

200.1441,
223.8834, 246.5289

 1.4368, 2.0507,
2.3553

243.3046,

 0.2822, 0.6367,

271.1241, 298.3407

0.7620

292.2627,
324.5824, 356.9463

■ 0.0000, 0.0000,
0.0000

■ 42.4694, 49.4835,
54.8898

■ 42.4694, 49.4835,
54.8898

■ 38.6060, 47.5330,
52.9099

■ 46.9459, 51.7518,
56.9413

■ 35.3232, 45.8796,
50.9967

■ 52.0575, 54.3453,
59.0625

■ 32.5919, 44.5096,
49.1496

■ 57.8307, 57.2789,
61.2560

■ 30.3789, 43.4059,
47.3668

■ 64.2887, 60.5646,
63.5231

■ 28.6470, 42.5494,
45.6462

■ 71.4527, 64.2134,
65.8651

■ 27.3545, 41.9185,
43.9856

■ 71.8453, 64.3704,
67.9323

■ 26.4522, 41.4879,
42.3825

■ 72.2460, 64.5307,
70.0422

■ 25.8603, 41.2165,
40.8328

■ 72.6548, 64.6942,
72.1950

■ 25.7839, 41.1818,
40.6129

■ 73.0718, 64.8610,
74.3911

Harmonies

Analogous

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



42.8977, 49.4835, 48.2030



42.4694, 49.4835, 54.8898



43.2284, 49.4835, 61.8724

Triad

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



42.4694, 49.4835, 54.8898



49.7465, 49.4835, 65.8761



49.1186, 49.4835, 42.5707

Complementary

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



42.4694, 49.4835, 54.8898



41.1776, 38.6047, 40.4052

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.



51.0537, 49.4835, 46.6057



42.4694, 49.4835, 54.8898



51.4250, 49.4835, 59.9842

Square

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



42.4694, 49.4835, 54.8898



47.3842, 49.4835, 68.5564



51.9115, 49.4835, 52.8809



46.6827, 49.4835, 41.4621

Rectangle

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



42.4694, 49.4835, 54.8898



44.3216, 49.4835, 65.6438



51.9115, 49.4835, 52.8809



49.8519, 49.4835, 43.6114

Sweetspot

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



42.4708, 49.4855, 54.8909



87.2217, 94.8579, 104.0928



40.8988, 49.0108, 39.6529



18.9703, 20.7068, 22.7397



0.0000, 0.0000, 0.0000



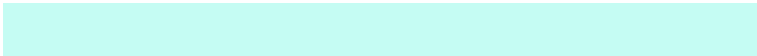
20.3446, 21.4041, 23.3091

Same Dimension

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



42.4708, 49.4855, 54.8909



74.1609, 88.2446, 98.0687



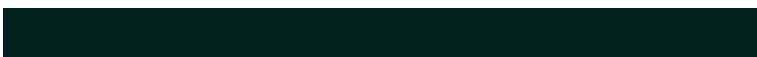
40.6907, 44.8680, 57.5571



10.2941, 11.3987, 12.5520



16.9774, 27.0850, 26.8379



0.7531, 1.1781, 1.2628

Inverse Universe

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



41.1776, 38.6047, 40.4052



71.4155, 65.1362, 67.3101



42.6838, 42.4645, 38.2953



10.1402, 10.1047, 10.8288



14.8229, 7.6189, 1.7133



0.6623, 0.3379, 0.1890

Previews

White Background



This preview shows how the XYZ color 42.4694, 49.4835, 54.8898 looks on a white background.

Color Contrast Check

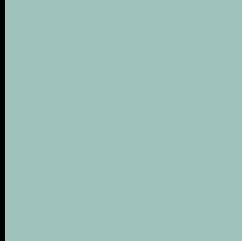
Large Text (above 18pt) WCAG AA × Fail

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 42.4694, 49.4835, 54.8898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

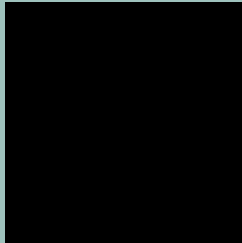
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

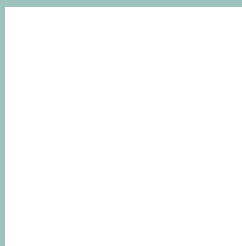
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4694, 49.4835, 54.8898

Background



This preview shows how black text looks on a background with the XYZ color 42.4694, 49.4835, 54.8898.

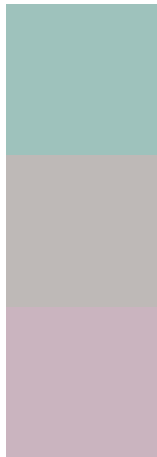


This preview shows how white text looks on a background with the XYZ color 42.4694, 49.4835,

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

42.4694, 49.4835, 54.8898

Protanopia

47.1314, 49.0640, 51.7859

Deuteranopia

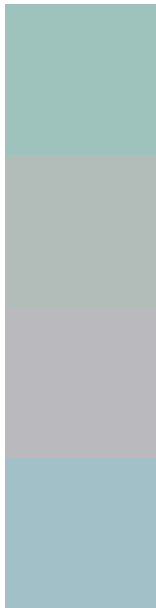
50.0823, 48.9607, 56.1009



Tritanopia

44.6717, 49.3992, 65.5731

Trichromacy



Original Color

42.4694, 49.4835, 54.8898

Protanomaly

45.1003, 48.9342, 52.9671

Deuteranomaly

46.8929, 48.8547, 55.6736

Tritanomaly

43.8564, 49.3999, 61.2565

Monochromacy



Original Color

42.4694, 49.4835, 54.8898

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.9828, 48.0421, 52.8538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4694, 49.4835, 54.8898 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, 194, 188)` looks like.

```
.text, #text, p{  
    color:rgb(158, 194, 188)  
}
```

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, 194, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 194, 188) }
```

Border

The CSS property to change the border of an element to XYZ 42.4694, 49.4835, 54.8898 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, 194, 188) }
```


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

```
.border{ border-color:rgb(158, 194, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 194, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 194, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 194, 188);  
box-shadow:4px 4px 4px 4px rgb(158, 194,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4694, 49.4835, 54.8898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 194, 188) }
```

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

```
.background{ background-color: rgb(158,  
194, 188) }
```

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