

Converting Colors

XYZ(35.5574, 42.5697, 48.7360)

Have a look what the booklet for
XYZ(35.5574, 42.5697, 48.7360)
contains.

XYZ(35.5514, 42.5249, 48.9822)	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(35.5514, 42.5249,
48.9822)**

Conversions

Conversions Part 1

Format	Color
Hex	8AB7B3
RGB	138, 183, 179
RGB Percent	54%, 72%, 70%
CMY	0.4588, 0.2823, 0.2980
CMYK	0.25, 0.00, 0.02, 0.28
HSL	175°, 24%, 63%
HSV	175°, 25%, 72%
XYZ	35.5514, 42.5249, 48.9822
YIQ	169.0890, -25.5360, -10.7840

Conversions

Conversions Part 2

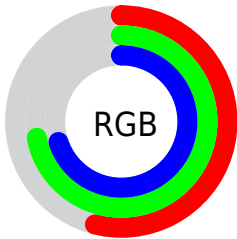
Format	Color
R_{YB}	138, 162, 183
Decimal	9090995
CIE _{Lab}	71.23, -15.74, -2.85
CIE _{LCh}	71, 15.998, 190.252
Yxy	42.5249, 0.2798, 0.3347
Android (android.graphics.Color)	4287281075 (0xFF8AB7B3)
YUV	169.0890, 4.8861, -27.2651
Hunter-Lab	65.2111, -16.8059, 1.1131

Details

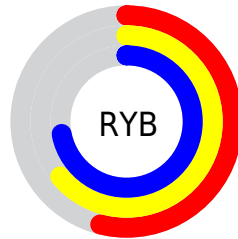
The XYZ color **35.5514, 42.5249, 48.9822** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.5009, 30.1984, 29.6561**, and the grayscale version is **37.7427, 39.7083, 43.2423**.

A 20% lighter version of the original color is **67.6001, 78.9376, 90.2708**, and **15.6790, 19.4979, 22.6758** is the 20% darker color. If you saturate the color by 10%, you get **32.6118, 41.0295, 47.9912**, and if you desaturate by 10%, it is **39.0056, 44.2876, 50.0092**.

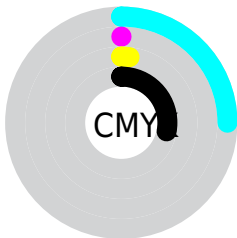
Distribution



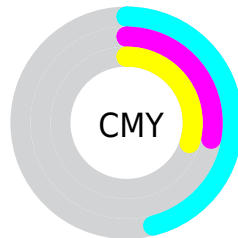
- Red (54%)
- Green (72%)
- Blue (70%)



- Red (54%)
- Yellow (64%)
- Blue (72%)



- Cyan (25%)
- Magenta (0%)
- Yellow (2%)
- Black (28%)



- Cyan (46%)
- Magenta (28%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5514, 42.5249, 48.9822 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 35.5514, 42.5249, 48.9822 by changing the saturation by 10% instead.

■ 35.5514, 42.5249,
48.9822

■ 35.5514, 42.5249,
48.9822

318.4611,
356.6543, 399.2927

■ 24.2564, 29.5125,
34.2399

■ 67.6675, 78.9934,
90.0457

■ 15.6497, 19.4689,
22.7991

■ 89.2194, 103.2184,
117.2040

■ 9.3659, 12.0096,
14.2413

■ 114.9209,
131.9496, 149.3380

■ 5.0396, 6.7502,
8.1480

145.1374,
165.5715, 186.8662

■ 2.3055, 3.3064,
4.1007

180.2344,
204.4686, 230.2073

■ 0.7975, 1.2937,
1.6807

220.5771,

■ 0.0000, 0.1363,

249.0251, 279.7797

0.3475

266.5308,
299.6256, 336.0020

■ 0.0000, 0.0000,
0.0000

■ 35.5514, 42.5249,
48.9822

■ 35.5514, 42.5249,
48.9822

■ 32.6118, 41.0295,
47.9912

■ 39.0056, 44.2876,
50.0092

■ 30.1575, 39.7829,
47.0322

■ 42.9944, 46.3245,
51.0705

■ 28.1620, 38.7727,
46.1046

■ 47.5414, 48.6490,
52.1682

■ 26.5947, 37.9829,
45.2072

■ 52.6676, 51.2719,
53.3032

■ 25.4213, 37.3961,
44.3382

■ 58.3929, 54.2033,
54.4765

■ 24.6022, 36.9916,
43.4958

■ 64.7363, 57.4532,
55.6891

■ 24.0896, 36.7449,
42.6776

■ 67.5117, 58.8634,
56.7450

■ 23.8841, 36.6484,
42.2425

■ 67.6911, 58.9352,
57.6898

■ 67.8725, 59.0078,
58.6451

Harmonies

Analogous

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



35.7547, 42.5249, 41.4872



35.5514, 42.5249, 48.9822



36.6076, 42.5249, 56.5209

Triad

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



35.5514, 42.5249, 48.9822



43.8448, 42.5249, 58.5195



42.1870, 42.5249, 33.7416

Complementary

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



35.5514, 42.5249, 48.9822



33.5009, 30.1984, 29.6561

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.



44.4854, 42.5249, 37.3963



35.5514, 42.5249, 48.9822



45.4715, 42.5249, 51.4764

Square

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



35.5514, 42.5249, 48.9822



41.3438, 42.5249, 62.4171



45.7110, 42.5249, 43.7221



39.5074, 42.5249, 33.2315

Rectangle

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



35.5514, 42.5249, 48.9822



37.9124, 42.5249, 60.3520



45.7110, 42.5249, 43.7221



43.0330, 42.5249, 34.6223

Sweetspot

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



35.5526, 42.5266, 48.9832



75.1024, 81.9940, 90.9766



32.7635, 41.4988, 30.3288



16.4911, 18.0606, 20.0688



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



35.5526, 42.5266, 48.9832



60.4533, 74.5223, 86.6680



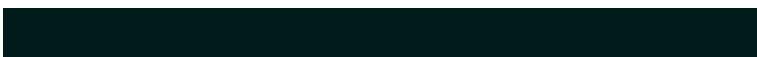
32.4849, 35.7339, 49.9869



9.2313, 10.1965, 11.3754



16.6743, 25.5707, 29.5363



0.5980, 0.9055, 1.0947

Inverse Universe

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



33.5009, 30.1984, 29.6561



56.0907, 48.2960, 45.5631



36.0058, 35.6806, 29.0349



9.0362, 9.0248, 9.5379



13.7015, 7.0544, 1.0491



0.4939, 0.2530, 0.0944

Previews

White Background



This preview shows how the XYZ color 35.5514, 42.5249, 48.9822 looks on a white background.

Color Contrast Check

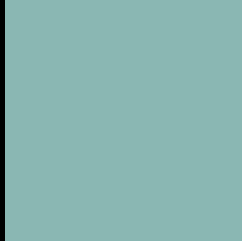
Large Text (above 18pt) WCAG AA × Fail

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 35.5514, 42.5249, 48.9822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

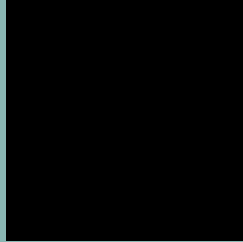
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.5514, 42.5249, 48.9822

Background



This preview shows how black text looks on a background with the XYZ color 35.5514, 42.5249, 48.9822.

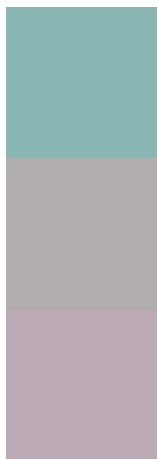


This preview shows how white text looks on a background with the XYZ color 35.5514, 42.5249,

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

35.5514, 42.5249, 48.9822

Protanopia

40.6179, 42.2514, 45.5497

Deuteranopia

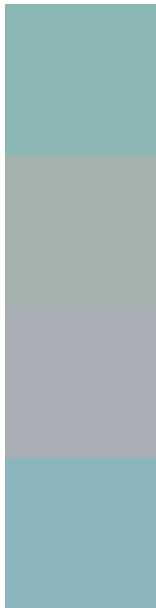
43.1250, 42.3181, 50.1513



Tritanopia

37.3587, 42.6506, 57.8931

Trichromacy



Original Color

35.5514, 42.5249, 48.9822

Protanomaly

38.5643, 42.3260, 46.6946

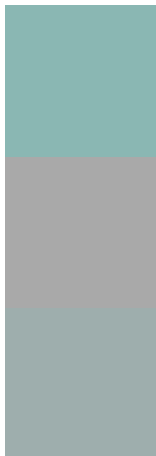
Deuteranomaly

39.8387, 42.0433, 49.7315

Tritanomaly

36.7285, 42.7055, 54.4513

Monochromacy



Original Color

35.5514, 42.5249, 48.9822

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.7794, 40.5583, 45.4252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5514, 42.5249, 48.9822 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(138, 183, 179)` looks like.

```
.text, #text, p{  
    color:rgb(138, 183, 179)  
}
```

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(138, 183, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 183, 179) }
```

Border

The CSS property to change the border of an element to XYZ 35.5514, 42.5249, 48.9822 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(138, 183, 179) }
```


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

```
.border{ border-color:rgb(138, 183, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 183, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 183, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 183, 179);  
box-shadow:4px 4px 4px 4px rgb(138, 183,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5514, 42.5249, 48.9822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 183, 179) }
```

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

```
.background{ background-color: rgb(138,  
183, 179) }
```

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