

Converting Colors

XYZ(42.1743, 55.6692, 48.2217)

Have a look what the booklet for
XYZ(42.1743, 55.6692, 48.2217)
contains.

XYZ(42.2416, 55.8549, 48.0899)	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(42.2416, 55.8549,
48.0899)**

Conversions

Conversions Part 1

Format	Color
Hex	8ED4AD
RGB	142, 212, 173
RGB Percent	56%, 83%, 68%
CMY	0.4431, 0.1686, 0.3216
CMYK	0.33, 0.00, 0.18, 0.17
HSL	147°, 45%, 69%
HSV	147°, 33%, 83%
XYZ	42.2416, 55.8549, 48.0899
YIQ	186.6240, -29.2010, -26.9690

Conversions

Conversions Part 2

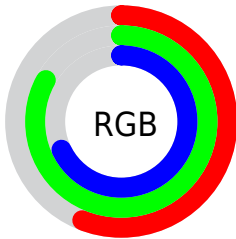
Format	Color
RYB	142, 191, 212
Decimal	9360557
CIELab	79.53, -30.21, 12.40
CIElCh	80, 32.651, 157.682
Yxy	55.8549, 0.2890, 0.3821
Android (android.graphics.Color)	4287550637 (0xFF8ED4AD)
YUV	186.6240, -6.7166, -39.1352
Hunter-Lab	74.7361, -29.8983, 14.1644

Details

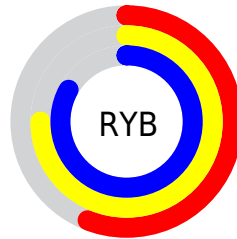
The XYZ color **42.2416, 55.8549, 48.0899** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.1667, 36.6804, 48.4176**, and the grayscale version is **47.0719, 49.5233, 53.9308**.

A 20% lighter version of the original color is **72.7895, 88.9918, 86.7395**, and **19.6280, 27.6183, 22.3855** is the 20% darker color. If you saturate the color by 10%, you get **37.8516, 53.7196, 42.1800**, and if you desaturate by 10%, it is **47.4275, 58.3919, 54.5670**.

Distribution



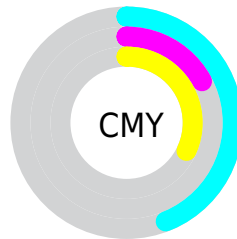
- Red (56%)
- Green (83%)
- Blue (68%)



- Red (56%)
- Yellow (75%)
- Blue (83%)



- Cyan (33%)
- Magenta (0%)
- Yellow (18%)
- Black (17%)





- Cyan (44%)
- Magenta (17%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2416, 55.8549, 48.0899 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 42.2416, 55.8549, 48.0899 by changing the saturation by 10% instead.


 42.2416, 55.8549,
48.0899


 42.2416, 55.8549,
48.0899


346.4581,
409.1444, 395.6673

 29.4825, 40.0866,
33.5376


 77.8280, 98.7924,
88.7052

 19.5922, 27.6061,
22.2641

 101.3860,
126.7304, 115.6052

 12.2055, 18.0289,
13.8509


129.2743,
159.4937, 147.4583

 6.9570, 10.9708,
7.8795

161.8583,
197.4668, 184.6829

 3.4813, 6.0472,
3.9313

199.5033,
241.0340, 227.6975

 1.4131, 2.8738,
1.5877

242.5747,

 0.2655, 1.0662,

290.5798, 276.9208

0.2820

291.4378,
346.4884, 332.7712

■ 0.0000, 0.0000,
0.0000

■ 42.2416, 55.8549,
48.0899

■ 42.2416, 55.8549,
48.0899

■ 37.8516, 53.7196,
42.1800

■ 47.4275, 58.3919,
54.5670

■ 34.2111, 51.9577,
36.8180

■ 53.4434, 61.3433,
61.6224

■ 31.2754, 50.5482,
31.9888


■ 60.3271, 64.7298,
69.2717


■ 28.9933, 49.4649,
27.6752


■ 68.1124, 68.5685,
77.5287


■ 27.3061, 48.6777,
23.8589

■ 76.8314, 72.8759,
86.4067

 26.1430, 48.1509,
20.5204

 81.0945, 74.8731,
95.6650

 25.5598, 47.8952,
18.4602

 82.8346, 75.5691,
104.8282

Harmonies

Analogous

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



45.7368, 55.8549, 36.4485



42.2416, 55.8549, 48.0899



41.5307, 55.8549, 65.7807

Triad

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



42.2416, 55.8549, 48.0899



54.7946, 55.8549, 104.1628



63.7234, 55.8549, 41.2785

Complementary

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



42.2416, 55.8549, 48.0899



45.1667, 36.6804, 48.4176

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.



66.6132, 55.8549, 56.1086



42.2416, 55.8549, 48.0899



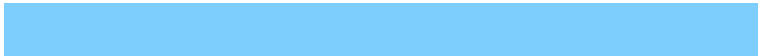
61.1884, 55.8549, 94.1659

Square

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



42.2416, 55.8549, 48.0899



48.4356, 55.8549, 100.7863



65.6492, 55.8549, 75.6109



58.0300, 55.8549, 33.1185

Rectangle

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



42.2416, 55.8549, 48.0899



42.6720, 55.8549, 79.2139



65.6492, 55.8549, 75.6109



65.0754, 55.8549, 45.5139

Sweetspot

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



42.2431, 55.8572, 48.0912



84.0791, 94.5989, 96.8847



47.6406, 58.9470, 34.4587



17.6900, 20.0974, 20.3919



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.



42.2431, 55.8572, 48.0912



59.1096, 82.3774, 66.3141



46.0039, 57.3615, 67.8952



12.4886, 13.9865, 14.3875



15.8273, 29.5863, 11.6522



0.9959, 1.8010, 0.9201

Inverse Universe

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



45.1667, 36.6804, 48.4176



64.2429, 48.6871, 66.8732



42.0663, 35.4403, 32.0910



12.7100, 12.5355, 14.4131



18.8361, 9.4708, 11.7071



1.1775, 0.5878, 0.9239

Previews

White Background



This preview shows how the XYZ color 42.2416, 55.8549, 48.0899 looks on a white background.

Color Contrast Check

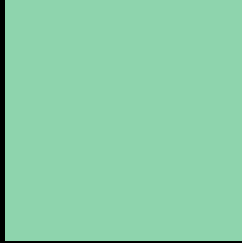
Large Text (above 18pt) WCAG AA × Fail

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 42.2416, 55.8549, 48.0899 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 42.2416, 55.8549, 48.0899

Background



This preview shows how black text looks on a background with the XYZ color 42.2416, 55.8549, 48.0899.



This preview shows how white text looks on a background with the XYZ color 42.2416, 55.8549,

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

42.2416, 55.8549, 48.0899

Protanopia

52.2636, 55.4619, 43.5479

Deuteranopia

56.3577, 55.1391, 49.7920



Tritanopia

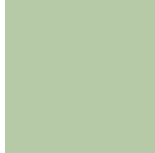
47.9650, 55.6120, 77.3134

Trichromacy



Original Color

42.2416, 55.8549, 48.0899



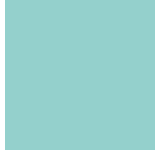
Protanomaly

47.7169, 55.1355, 45.1731



Deuteranomaly

49.7950, 54.4046, 48.9509



Tritanomaly

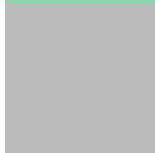
45.6677, 55.7673, 65.4840

Monochromacy



Original Color

42.2416, 55.8549, 48.0899



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.9780, 51.5152, 51.8288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2416, 55.8549, 48.0899 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(142, 212, 173)` looks like.

```
.text, #text, p{  
    color:rgb(142, 212, 173)  
}
```

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(142, 212, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 212, 173) }
```

Border

The CSS property to change the border of an element to XYZ 42.2416, 55.8549, 48.0899 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(142, 212, 173) }
```


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

```
.border{ border-color:rgb(142, 212, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 212, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 212, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 212, 173);  
box-shadow:4px 4px 4px 4px rgb(142, 212,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2416, 55.8549, 48.0899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 212, 173) }
```

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

```
.background{ background-color: rgb(142,  
212, 173) }
```

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