

Converting Colors

XYZ(42.0838, 54.8766, 48.1101)

Have a look what the booklet for
XYZ(42.0838, 54.8766, 48.1101)
contains.

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Color

**XYZ(42.0910, 55.0396,
47.9404)**

Conversions

Conversions Part 1

Format	Color
Hex	90D2AD
RGB	144, 210, 173
RGB Percent	56%, 82%, 68%
CMY	0.4353, 0.1765, 0.3216
CMYK	0.31, 0.00, 0.18, 0.18
HSL	146°, 42%, 69%
HSV	146°, 31%, 82%
XYZ	42.0910, 55.0396, 47.9404
YIQ	186.0480, -27.4590, -25.4990

Conversions

Conversions Part 2

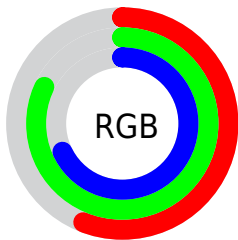
Format	Color
RYB	144, 190, 210
Decimal	9491117
CIELab	79.06, -28.65, 11.75
CIELCh	79, 30.963, 157.695
Yxy	55.0396, 0.2901, 0.3794
Android (android.graphics.Color)	4287681197 (0xFF90D2AD)
YUV	186.0480, -6.4327, -36.8761
Hunter-Lab	74.1887, -28.5581, 13.6191

Details

The XYZ color **42.0910, 55.0396, 47.9404** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.8940, 36.9856, 48.4911**, and the grayscale version is **46.7461, 49.1806, 53.5576**.

A 20% lighter version of the original color is **73.3168, 89.2636, 86.7642**, and **19.4869, 27.0473, 22.2827** is the 20% darker color. If you saturate the color by 10%, you get **37.6694, 52.8876, 42.0468**, and if you desaturate by 10%, it is **47.2983, 57.5881, 54.3972**.

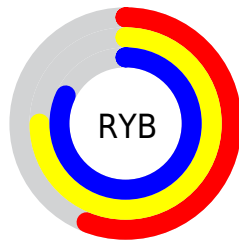
Distribution



Red (56%)

Green (82%)

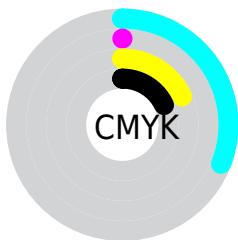
Blue (68%)



Red (56%)

Yellow (75%)

Blue (82%)

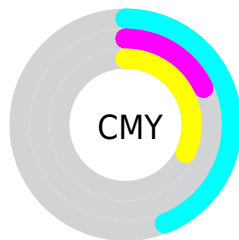


Cyan (31%)

Magenta (0%)

Yellow (18%)

Black (18%)



Cyan (44%)


Magenta (18%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0910, 55.0396, 47.9404 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 42.0910, 55.0396, 47.9404 by changing the saturation by 10% instead.


 42.0910, 55.0396,
47.9404


 42.0910, 55.0396,
47.9404


345.8452,
406.0620, 395.0577

 29.3640, 39.4334,
33.4200


 77.6016, 97.5990,
88.4803

 19.5020, 27.0971,
22.1747


 101.1159,
125.3210, 115.3369

 12.1397, 17.6461,
13.7858


128.9567,
157.8503, 147.1426

 6.9118, 10.6962,
7.8348

161.4894,
195.5715, 184.3161

 3.4528, 5.8630,
3.9031

199.0792,
238.8689, 227.2758

 1.3975, 2.7619,
1.5724

242.0915,

 0.2544, 1.0087,

288.1268, 276.4403

0.2710

290.8917,
343.7297, 332.2281

■ 0.0000, 0.0000,
0.0000

■ 42.0910, 55.0396,
47.9404

■ 42.0910, 55.0396,
47.9404

■ 37.6694, 52.8876,
42.0468

■ 47.2983, 57.5881,
54.3972

■ 33.9884, 51.1046,
36.6974

■ 53.3243, 60.5452,
61.4283

■ 31.0054, 49.6704,
31.8773


■ 60.2053, 63.9310,
69.0489


■ 28.6711, 48.5599,
27.5696


■ 67.9744, 67.7621,
77.2728


■ 26.9293, 47.7446,
23.7562

■ 76.6627, 72.0544,
86.1132

 25.7133, 47.1903,
20.4181

 80.5624, 73.8651,
95.3142

 24.9913, 46.8727,
17.9176

 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.



45.3921, 55.0396, 36.8713



42.0910, 55.0396, 47.9404



41.4194, 55.0396, 64.5922

Triad

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



42.0910, 55.0396, 47.9404



53.9174, 55.0396, 100.2804



62.2695, 55.0396, 41.4682

Complementary

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



42.0910, 55.0396, 47.9404



44.8940, 36.9856, 48.4911

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.



64.9677, 55.0396, 55.4954



42.0910, 55.0396, 47.9404



59.9049, 55.0396, 91.0206

Square

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



42.0910, 55.0396, 47.9404



47.9403, 55.0396, 97.1624



64.0700, 55.0396, 73.7656



56.9448, 55.0396, 33.6786

Rectangle

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



42.0910, 55.0396, 47.9404



42.5000, 55.0396, 77.1399



64.0700, 55.0396, 73.7656



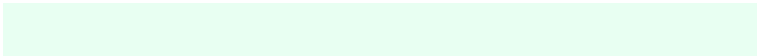
63.5321, 55.0396, 45.4893

Sweetspot

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



42.0925, 55.0419, 47.9416



85.1021, 95.1030, 97.9811



47.2325, 57.9815, 35.0884



17.8936, 20.1978, 20.6096



0.0000, 0.0000, 0.0000



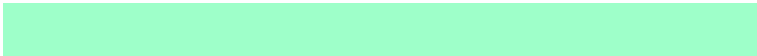
20.3446, 21.4041, 23.3091

Same Dimension

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



42.0925, 55.0419, 47.9416



60.3847, 83.0010, 67.8967



45.6420, 56.4617, 66.6332



11.8690, 13.2913, 13.6664



15.2923, 28.6099, 11.1855



0.8946, 1.6155, 0.8338

Inverse Universe

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



44.8940, 36.9856, 48.4911



65.4212, 50.5228, 68.8722



41.9302, 35.8001, 32.8842



12.0823, 11.9176, 13.7090



18.2487, 9.1723, 11.4815



1.0599, 0.5287, 0.8502

Previews

White Background



This preview shows how the XYZ color 42.0910, 55.0396, 47.9404 looks on a white background.

Color Contrast Check

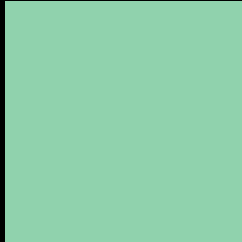
Large Text (above 18pt) WCAG AA × Fail

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 42.0910, 55.0396, 47.9404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

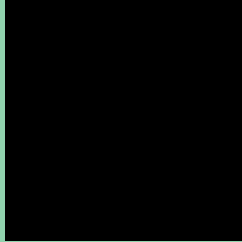
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0910, 55.0396, 47.9404

Background



This preview shows how black text looks on a background with the XYZ color 42.0910, 55.0396, 47.9404.



This preview shows how white text looks on a background with the XYZ color 42.0910, 55.0396,

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

42.0910, 55.0396, 47.9404

Protanopia

51.2602, 54.2793, 43.3726

Deuteranopia

55.5343, 54.3964, 49.6921



Tritanopia

47.8376, 55.2231, 75.8480

Trichromacy



Original Color

42.0910, 55.0396, 47.9404

Protanomaly

47.2506, 54.2030, 45.0176

Deuteranomaly

49.3146, 53.8209, 48.8636

Tritanomaly

45.4285, 54.9384, 64.7098

Monochromacy



Original Color

42.0910, 55.0396, 47.9404

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

44.6502, 51.0243, 51.2114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0910, 55.0396, 47.9404 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(144, 210, 173)` looks like.

```
.text, #text, p{  
    color:rgb(144, 210, 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(144, 210, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 210, 173) }
```

Border

The CSS property to change the border of an element to XYZ 42.0910, 55.0396, 47.9404 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(144, 210, 173) }
```


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

```
.border{ border-color:rgb(144, 210, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 210, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 210, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 210, 173);  
box-shadow:4px 4px 4px 4px rgb(144, 210,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0910, 55.0396, 47.9404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 210, 173) }
```

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

```
.background{ background-color: rgb(144,  
210, 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](#).

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