

Converting Colors

XYZ(48.4722, 64.3838, 56.2789)

Have a look what the booklet for
XYZ(48.4722, 64.3838, 56.2789)
contains.

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Color

**XYZ(48.4537, 64.3274,
56.3170)**

Conversions

Conversions Part 1

Format	Color
Hex	95E2BA
RGB	149, 226, 186
RGB Percent	58%, 89%, 73%
CMY	0.4157, 0.1137, 0.2706
CMYK	0.34, 0.00, 0.18, 0.11
HSL	149°, 57%, 74%
HSV	149°, 34%, 89%
XYZ	48.4537, 64.3274, 56.3170
YIQ	198.4170, -33.0520, -28.7640

Conversions

Conversions Part 2

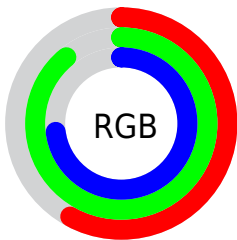
Format	Color
RYB	149, 201, 226
Decimal	9822906
CIELab	84.14, -32.20, 12.11
CIELCh	84, 34.398, 159.395
Yxy	64.3274, 0.2865, 0.3804
Android (android.graphics.Color)	4288012986 (0xFF95E2BA)
YUV	198.4170, -6.1216, -43.3387
Hunter-Lab	80.2044, -32.5208, 14.5115

Details

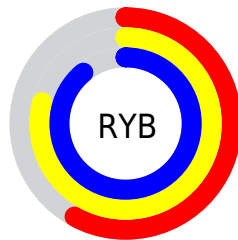
The XYZ color **48.4537, 64.3274, 56.3170** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.2990, 41.3393, 53.4223**, and the grayscale version is **53.9822, 56.7934, 61.8481**.

A 20% lighter version of the original color is **76.9638, 90.9099, 97.4953**, and **23.3277, 32.8758, 27.3065** is the 20% darker color. If you saturate the color by 10%, you get **43.5265, 61.9274, 49.8370**, and if you desaturate by 10%, it is **54.2871, 67.1861, 63.3776**.

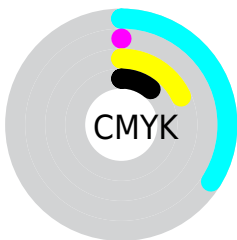
Distribution



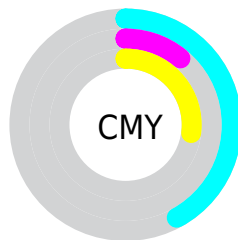
- Red (58%)
- Green (89%)
- Blue (73%)



- Red (58%)
- Yellow (79%)
- Blue (89%)



- Cyan (34%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)



- Cyan (42%)
- Magenta (11%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4537, 64.3274, 56.3170 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 48.4537, 64.3274, 56.3170 by changing the saturation by 10% instead.


 48.4537, 64.3274,
56.3170


 48.4537, 64.3274,
56.3170


371.1404,
440.3710, 428.3069

 34.3991, 46.9159,
40.0514


 87.0851, 111.0823,
100.9583

 23.3647, 32.9692,
27.2646


 112.3927,
141.1945, 130.1712

 14.9852, 22.1028,
17.5378


142.1819,
176.3091, 164.5369

 8.8952, 13.9325,
10.4527

176.8181,
216.8104, 204.4739

 4.7295, 8.0737,
5.5906

216.6667,
263.0828, 250.4009

 2.1225, 4.1422,
2.5331

262.0931,

 0.7014, 1.7534,

315.5108, 302.7364

0.8576

313.4625,
374.4787, 361.8989

0.0000, 0.4579,
0.0000

0.0000, 0.0000,
0.0000

48.4537, 64.3274,
56.3170

48.4537, 64.3274,
56.3170

43.5265, 61.9274,
49.8370

54.2871, 67.1861,
63.3776

39.4513, 59.9534,
43.9182

61.0664, 70.5187,
71.0289

36.1761, 58.3805,
38.5461

68.8355, 74.3491,
79.2863

33.6406, 57.1779,
33.7042

77.6337, 78.6973,
88.1632

■ 31.7753, 56.3102,
29.3747

■ 84.8741, 82.2297,
97.5498

■ 30.4961, 55.7343,
25.5386

■ 86.4875, 82.8750,
106.0458

■ 29.9361, 55.4905,
23.4870

Harmonies

Analogous

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



52.3251, 64.3274, 42.4143



48.4537, 64.3274, 56.3170



47.8235, 64.3274, 77.1000

Triad

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



48.4537, 64.3274, 56.3170



63.5586, 64.3274, 119.9960



73.1480, 64.3274, 46.6898

Complementary

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



48.4537, 64.3274, 56.3170



51.2990, 41.3393, 53.4223

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.



76.7269, 64.3274, 63.4277



48.4537, 64.3274, 56.3170



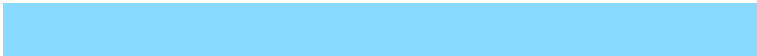
70.8959, 64.3274, 107.6317

Square

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



48.4537, 64.3274, 56.3170



56.1397, 64.3274, 116.9907



75.8702, 64.3274, 85.8324



66.4314, 64.3274, 37.7086

Rectangle

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



48.4537, 64.3274, 56.3170



49.2690, 64.3274, 92.6648



75.8702, 64.3274, 85.8324



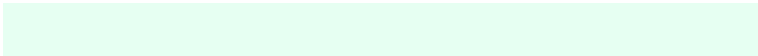
74.7822, 64.3274, 51.4373

Sweetspot

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



48.4555, 64.3300, 56.3185



84.2228, 94.6563, 97.6414



53.8752, 67.5212, 38.6280



17.7247, 20.1113, 20.5747



0.0000, 0.0000, 0.0000



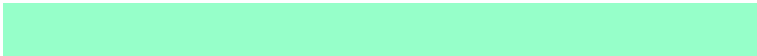
20.3446, 21.4041, 23.3091

Same Dimension

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



48.4555, 64.3300, 56.3185



58.9264, 82.2491, 67.8351



52.9707, 66.1361, 80.0954



13.8017, 15.4464, 15.9911



17.1372, 31.6797, 13.7113



1.2329, 2.2139, 1.1878

Inverse Universe

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



51.2990, 41.3393, 53.4223



63.2092, 47.6130, 63.4668



47.7454, 39.9179, 34.7094



14.0031, 13.8189, 15.7865



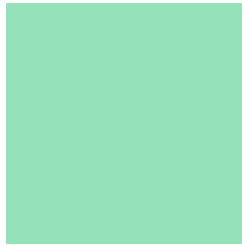
19.7991, 9.9866, 10.8736



1.4176, 0.7103, 0.9917

Previews

White Background



This preview shows how the XYZ color 48.4537, 64.3274, 56.3170 looks on a white background.

Color Contrast Check

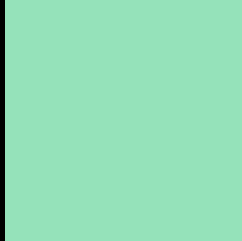
Large Text (above 18pt) WCAG AA × Fail

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 48.4537, 64.3274, 56.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

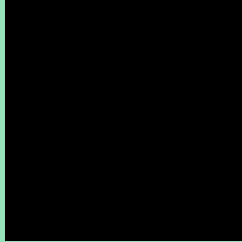
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.4537, 64.3274, 56.3170

Background



This preview shows how black text looks on a background with the XYZ color 48.4537, 64.3274, 56.3170.

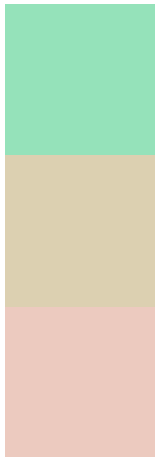


This preview shows how white text looks on a background with the XYZ color 48.4537, 64.3274,

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
48.4537, 64.3274, 56.3170
Protanopia
60.0069, 63.5017, 50.6893
Deuteranopia
65.1166, 63.8355, 58.1797



Tritanopia

55.1148, 64.2510, 89.6176

Trichromacy



Original Color

48.4537, 64.3274, 56.3170



Protanomaly

54.7868, 63.3655, 52.5232



Deuteranomaly

57.3814, 63.1000, 57.2993



Tritanomaly

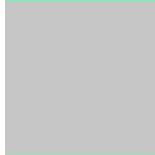
52.4865, 64.3724, 75.9885

Monochromacy



Original Color

48.4537, 64.3274, 56.3170



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.1159, 58.7101, 59.6770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4537, 64.3274, 56.3170 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(149, 226, 186)` looks like.

```
.text, #text, p{  
    color:rgb(149, 226, 186)  
}
```

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(149, 226, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 226, 186) }
```

Border

The CSS property to change the border of an element to XYZ 48.4537, 64.3274, 56.3170 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(149, 226, 186) }
```


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

```
.border{ border-color:rgb(149, 226, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 226, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 226, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 226, 186); box-shadow:4px 4px 4px 4px rgb(149, 226, 186) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4537, 64.3274, 56.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 226, 186) }
```

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

```
.background{ background-color: rgb(149,  
226, 186) }
```

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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