

Converting Colors

XYZ(50.9243, 63.9804, 57.2424)

Have a look what the booklet for
XYZ(50.9243, 63.9804, 57.2424)
contains.

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Color

**XYZ(50.9243, 63.9804,
57.2424)**

Conversions

Conversions Part 1

Format	Color
Hex	A6DEBC
RGB	166, 222, 188
RGB Percent	65%, 87%, 74%
CMY	0.3490, 0.1294, 0.2627
CMYK	0.25, 0.00, 0.15, 0.13
HSL	144°, 46%, 76%
HSV	144°, 25%, 87%
XYZ	50.9243, 63.9804, 57.2424
YIQ	201.3800, -22.4620, -22.4460

Conversions

Conversions Part 2

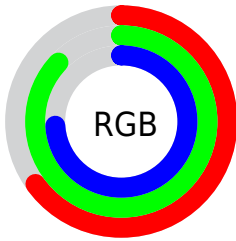
Format	Color
RYB	166, 206, 222
Decimal	10935996
CIELab	83.96, -24.74, 10.92
CIElCh	84, 27.046, 156.187
Yxy	63.9804, 0.2958, 0.3717
Android (android.graphics.Color)	4289126076 (0xFFA6DEBC)
YUV	201.3800, -6.5963, -31.0283
Hunter-Lab	79.9877, -26.3363, 13.5612

Details

The XYZ color **50.9243, 63.9804, 57.2424** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.1880, 46.9738, 60.8573**, and the grayscale version is **55.8043, 58.7104, 63.9356**.

A 20% lighter version of the original color is **82.2133, 93.5812, 99.3178**, and **25.0019, 32.8974, 27.9538** is the 20% darker color. If you saturate the color by 10%, you get **45.2805, 61.2328, 49.7445**, and if you desaturate by 10%, it is **57.5107, 67.2018, 65.4956**.

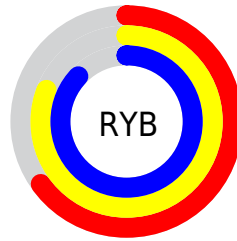
Distribution



Red (65%)

Green (87%)

Blue (74%)



Red (65%)

Yellow (81%)

Blue (87%)

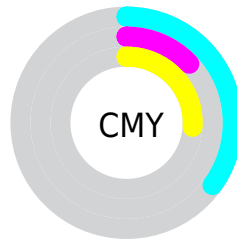


Cyan (25%)

Magenta (0%)

Yellow (15%)

Black (13%)



Cyan (35%)


Magenta (13%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9243, 63.9804, 57.2424 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 50.9243, 63.9804, 57.2424 by changing the saturation by 10% instead.


 50.9243, 63.9804,
57.2424


 50.9243, 63.9804,
57.2424


380.6621,
439.1189, 431.8761

 36.3692, 46.6348,
40.7892


 90.7265, 110.5827,
102.3226

 24.8909, 32.7470,
27.8360

 116.7043,
140.6082, 131.7868

 16.1241, 21.9327,
17.9641


147.2204,
175.6291, 166.4250

 9.7034, 13.8075,
10.7550

182.6401,
216.0299, 206.6559

 5.2635, 7.9869,
5.7903

223.3287,
262.1948, 252.8978

 2.4390, 4.0866,
2.6513

269.6517,

 0.8646, 1.7221,

314.5084, 305.5695

0.9187

321.9744,
373.3549, 365.0895

0.0000, 0.4379,
0.0000

0.0000, 0.0000,
0.0000

50.9243, 63.9804,
57.2424

50.9243, 63.9804,
57.2424

45.2805, 61.2328,
49.7445

57.5107, 67.2018,
65.4956

40.5290, 58.9282,
42.9763

65.0763, 70.9101,
74.5204

36.6228, 57.0446,
36.9168

73.6621, 75.1278,
84.3379

33.5082, 55.5547,
31.5422

83.3051, 79.8737,
94.9671

■ 31.1250, 54.4280,
26.8277

■ 85.4125, 80.7250,
105.6875

■ 29.4037, 53.6292,
22.7464

■ 28.2598, 53.1152,
19.2695

■ 27.8514, 52.9365,
17.8120

Harmonies

Analogous

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



54.2973, 63.9804, 46.4035



50.9243, 63.9804, 57.2424



50.1216, 63.9804, 73.2585

Triad

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



50.9243, 63.9804, 57.2424



62.0540, 63.9804, 107.6236



70.5309, 63.9804, 52.0378

Complementary

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



50.9243, 63.9804, 57.2424



54.1880, 46.9738, 60.8573

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.



72.9225, 63.9804, 66.1886



50.9243, 63.9804, 57.2424



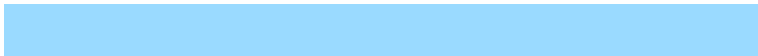
67.8268, 63.9804, 99.6302

Square

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



50.9243, 63.9804, 57.2424



56.3037, 63.9804, 104.1846



71.9020, 63.9804, 83.7634



65.5536, 63.9804, 43.7595

Rectangle

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



50.9243, 63.9804, 57.2424



51.1026, 63.9804, 85.1632



71.9020, 63.9804, 83.7634



71.6781, 63.9804, 56.1691

Sweetspot

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



50.9260, 63.9831, 57.2438



86.0084, 95.5619, 98.4008



56.9686, 67.3516, 46.0749



18.0670, 20.2863, 20.6560



0.0000, 0.0000, 0.0000



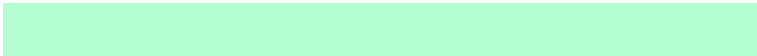
20.3446, 21.4041, 23.3091

Same Dimension

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



50.9260, 63.9831, 57.2438



65.6883, 85.6255, 73.0964



54.1751, 65.2827, 74.3532



13.7506, 15.4260, 15.7221



16.5934, 31.4622, 10.8480



1.1933, 2.1980, 0.9789

Inverse Universe

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



54.1880, 46.9738, 60.8573



70.8436, 58.7335, 78.7998



51.2601, 45.8026, 45.4390



14.0550, 13.8397, 16.0600



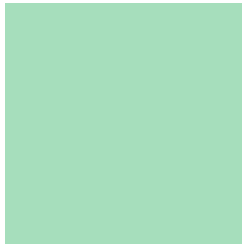
20.5381, 10.2822, 14.7654



1.4672, 0.7302, 1.2532

Previews

White Background



This preview shows how the XYZ color 50.9243, 63.9804, 57.2424 looks on a white background.

Color Contrast Check

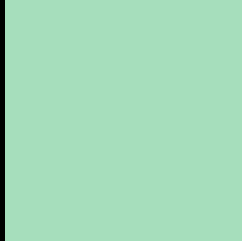
Large Text (above 18pt) WCAG AA × Fail

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 50.9243, 63.9804, 57.2424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

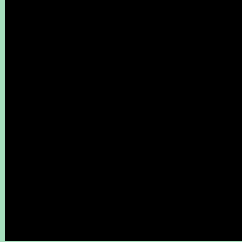
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

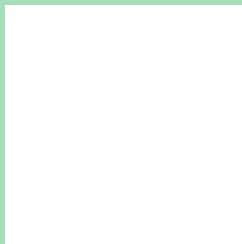
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.9243, 63.9804, 57.2424

Background



This preview shows how black text looks on a background with the XYZ color 50.9243, 63.9804, 57.2424.



This preview shows how white text looks on a background with the XYZ color 50.9243, 63.9804,

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

50.9243, 63.9804, 57.2424

Protanopia

60.1098, 63.5080, 52.8062

Deuteranopia

64.6620, 63.2412, 58.6679



Tritanopia

56.9430, 64.1089, 86.4638

Trichromacy



Original Color

50.9243, 63.9804, 57.2424

Protanomaly

56.2654, 63.3286, 54.6055

Deuteranomaly

58.7828, 63.0642, 58.3646

Tritanomaly

54.6090, 63.9232, 75.1059

Monochromacy



Original Color

50.9243, 63.9804, 57.2424

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

53.5033, 60.2778, 61.0394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9243, 63.9804, 57.2424 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(166, 222, 188)` looks like.

```
.text, #text, p{  
    color:rgb(166, 222, 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(166, 222, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 222, 188) }
```

Border

The CSS property to change the border of an element to XYZ 50.9243, 63.9804, 57.2424 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(166, 222, 188) }
```


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

```
.border{ border-color:rgb(166, 222, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 222, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 222, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 222, 188);  
box-shadow:4px 4px 4px 4px rgb(166, 222,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9243, 63.9804, 57.2424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 222, 188) }
```

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

```
.background{ background-color: rgb(166,  
222, 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](#).

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