

Converting Colors

XYZ(50.3168, 68.9583, 45.8055)

Have a look what the booklet for
XYZ(50.3168, 68.9583, 45.8055)
contains.

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Color

**XYZ(50.2242, 68.7951,
45.7536)**

Conversions

Conversions Part 1

Format	Color
Hex	9EEAA4
RGB	158, 234, 164
RGB Percent	62%, 92%, 64%
CMY	0.3804, 0.0823, 0.3569
CMYK	0.32, 0.00, 0.30, 0.08
HSL	125°, 64%, 77%
HSV	125°, 32%, 92%
XYZ	50.2242, 68.7951, 45.7536
YIQ	203.2960, -22.8260, -37.8820

Conversions

Conversions Part 2

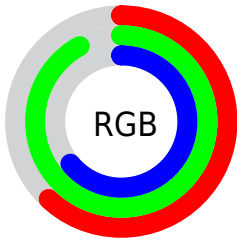
Format	Color
RYB	158, 228, 234
Decimal	10414756
CIELab	86.40, -37.16, 26.75
CIELCh	86, 45.789, 144.248
Yxy	68.7951, 0.3048, 0.4175
Android (android.graphics.Color)	4288604836 (0xFF9EEAA4)
YUV	203.2960, -19.3729, -39.7246
Hunter-Lab	82.9428, -37.0632, 25.3539

Details

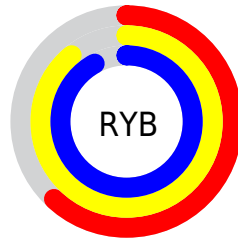
The XYZ color **50.2242, 68.7951, 45.7536** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **60.1644, 47.5490, 79.4084**, and the grayscale version is **57.0805, 60.0532, 65.3979**.

A 20% lighter version of the original color is **76.2777, 90.9306, 80.5489**, and **24.5539, 35.9537, 20.9749** is the 20% darker color. If you saturate the color by 10%, you get **44.2680, 65.9327, 36.1615**, and if you desaturate by 10%, it is **57.3902, 72.2470, 57.1270**.

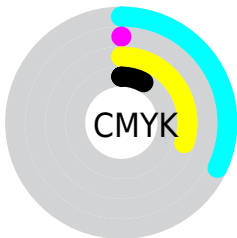
Distribution



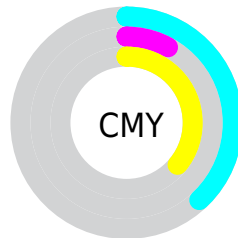
- Red (62%)
- Green (92%)
- Blue (64%)



- Red (62%)
- Yellow (89%)
- Blue (92%)



- Cyan (32%)
- Magenta (0%)
- Yellow (30%)
- Black (8%)





- Cyan (38%)
- Magenta (8%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2242, 68.7951, 45.7536 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 50.2242, 68.7951, 45.7536 by changing the saturation by 10% instead.


 50.2242, 68.7951,
45.7536


 50.2242, 68.7951,
45.7536


377.9796,
456.3080, 386.0659

 35.8101, 50.5449,
31.7042


 89.6968, 117.4889,
85.1805

 24.4570, 35.8465,
20.8727


 115.4860,
148.7012, 111.3951

 15.7995, 24.3157,
12.8406

145.7977,
185.0030, 142.5018

 9.4724, 15.5680,
7.1895

180.9971,
226.7787, 178.9191

 5.1101, 9.2190,
3.5006

221.4496,
274.4126, 221.0656

 2.3474, 4.8843,
1.3556

267.5206,

 0.8188, 2.1795,

328.2892, 269.3599

0.1067

319.5755,
388.7929, 324.2205

■ 0.0000, 0.7088,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.2242, 68.7951,
45.7536

■ 50.2242, 68.7951,
45.7536

■ 44.2680, 65.9327,
36.1615

■ 57.3902, 72.2470,
57.1270

■ 39.4498, 63.6188,
28.2563

■ 65.8221, 76.3096,
70.3607

■ 35.6983, 61.8208,
21.9418

■ 75.5789, 81.0137,
85.5344

■ 32.9322, 60.4989,
17.1102

■ 86.7143, 86.3853,
102.7218

■ 31.0582, 59.6076,
13.6405

■ 88.7142, 87.3284,
106.7881

■ 29.9649, 59.0926,
11.3924

■ 29.5373, 58.8936,
10.4037

Harmonies

Analogous

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



57.3814, 68.7951, 33.3428



50.2242, 68.7951, 45.7536



47.1584, 68.7951, 69.2155

Triad

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



50.2242, 68.7951, 45.7536



63.3693, 68.7951, 149.1426



85.7524, 68.7951, 53.4302

Complementary

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



50.2242, 68.7951, 45.7536



60.1644, 47.5490, 79.4084

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.



87.7967, 68.7951, 80.9005



50.2242, 68.7951, 45.7536



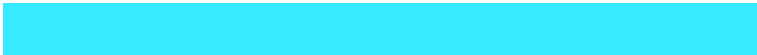
74.1061, 68.7951, 141.6005

Square

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



50.2242, 68.7951, 45.7536



54.2039, 68.7951, 132.8566



83.3319, 68.7951, 114.3786



78.0128, 68.7951, 36.8653

Rectangle

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



50.2242, 68.7951, 45.7536



47.5806, 68.7951, 90.1849



83.3319, 68.7951, 114.3786



87.1611, 68.7951, 61.4586

Sweetspot

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



50.2260, 68.7980, 45.7551



82.7293, 94.0590, 89.7769



67.8891, 77.9648, 43.8188



17.3653, 19.9676, 18.6824



0.0000, 0.0000, 0.0000



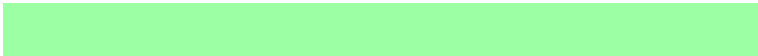
20.3446, 21.4041, 23.3091

Same Dimension

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



50.2260, 68.7980, 45.7551



56.0303, 81.2019, 47.5600



54.0758, 70.3379, 66.0279



14.9166, 16.8815, 16.2436



16.6153, 33.1006, 5.9394



1.3215, 2.6059, 0.5548

Inverse Universe

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



60.1644, 47.5490, 79.4084



69.8644, 51.6107, 94.3948



55.5572, 45.7061, 55.1473



15.6605, 15.2921, 18.7635



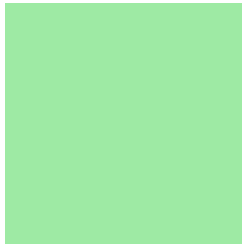
26.0202, 12.6108, 37.5032



2.0585, 0.9964, 3.0253

Previews

White Background



This preview shows how the XYZ color 50.2242, 68.7951, 45.7536 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 50.2242, 68.7951, 45.7536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

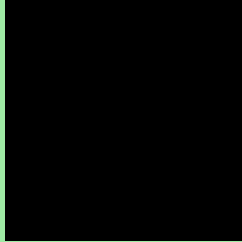
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.2242, 68.7951, 45.7536

Background



This preview shows how black text looks on a background with the XYZ color 50.2242, 68.7951, 45.7536.



This preview shows how white text looks on a background with the XYZ color 50.2242, 68.7951,

45.7536.

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

50.2242, 68.7951, 45.7536

Protanopia

63.5799, 68.1570, 41.2571

Deuteranopia

69.3522, 68.0372, 47.5074



Tritanopia

59.9162, 68.6064, 94.0888

Trichromacy



Original Color

50.2242, 68.7951, 45.7536



Protanomaly

57.5561, 67.7249, 42.8396



Deuteranomaly

60.4960, 67.2046, 46.8291



Tritanomaly

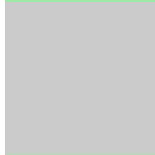
56.0295, 68.6667, 73.9193

Monochromacy



Original Color

50.2242, 68.7951, 45.7536



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

53.7254, 62.3321, 57.3438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2242, 68.7951, 45.7536 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(158, 234, 164)` looks like.

```
.text, #text, p{  
    color:rgb(158, 234, 164)  
}
```

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(158, 234, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 234, 164) }
```

Border

The CSS property to change the border of an element to XYZ 50.2242, 68.7951, 45.7536 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(158, 234, 164) }
```


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

```
.border{ border-color:rgb(158, 234, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 234, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 234, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 234, 164);  
box-shadow:4px 4px 4px 4px rgb(158, 234,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2242, 68.7951, 45.7536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 234, 164) }
```

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

```
.background{ background-color: rgb(158,  
234, 164) }
```

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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