

Converting Colors

XYZ(50.2990, 73.7150, 48.0419)

Have a look what the booklet for
XYZ(50.2990, 73.7150, 48.0419)
contains.

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Color

**XYZ(50.2749, 73.5838,
48.1125)**

Conversions

Conversions Part 1

Format	Color
Hex	8BF5A7
RGB	139, 245, 167
RGB Percent	55%, 96%, 65%
CMY	0.4549, 0.0392, 0.3451
CMYK	0.43, 0.00, 0.32, 0.04
HSL	136°, 84%, 75%
HSV	136°, 43%, 96%
XYZ	50.2749, 73.5838, 48.1125
YIQ	204.4140, -38.1380, -46.7300

Conversions

Conversions Part 2

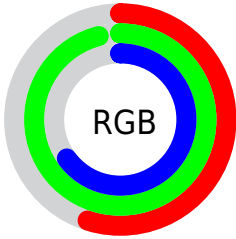
Format	Color
RYB	139, 223, 245
Decimal	9172391
CIELab	88.73, -47.04, 28.23
CIElCh	89, 54.857, 149.032
Yxy	73.5838, 0.2923, 0.4279
Android (android.graphics.Color)	4287362471 (0xFF8BF5A7)
YUV	204.4140, -18.4451, -57.3681
Hunter-Lab	85.7810, -45.5007, 26.7924

Details

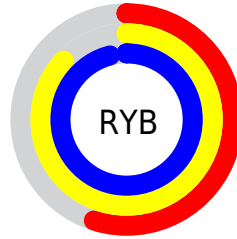
The XYZ color **50.2749, 73.5838, 48.1125** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **59.4156, 42.8890, 70.7952**, and the grayscale version is **57.7885, 60.7980, 66.2090**.

A 20% lighter version of the original color is **72.1052, 88.7180, 83.1360**, and **24.5002, 38.9752, 22.1513** is the 20% darker color. If you saturate the color by 10%, you get **45.0813, 71.0878, 39.7680**, and if you desaturate by 10%, it is **56.6213, 76.6514, 57.7270**.

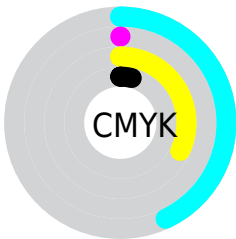
Distribution



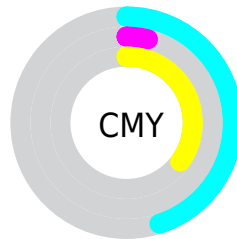
- Red (55%)
- Green (96%)
- Blue (65%)



- Red (55%)
- Yellow (87%)
- Blue (96%)



- Cyan (43%)
- Magenta (0%)
- Yellow (32%)
- Black (4%)





- Cyan (45%)
- Magenta (4%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2749, 73.5838, 48.1125 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 50.2749, 73.5838, 48.1125 by changing the saturation by 10% instead.


 50.2749, 73.5838,
48.1125


 50.2749, 73.5838,
48.1125


378.1742,
473.0357, 395.7594

 35.8506, 54.4535,
33.5554


 89.7714, 124.3056,
88.7392

 24.4884, 38.9643,
22.2776


 115.5743,
156.6659, 115.6458

 15.8230, 26.7320,
13.8608


145.9008,
194.2050, 147.5060

 9.4890, 17.3720,
7.8863

181.1162,
237.3072, 184.7383

 5.1212, 10.5001,
3.9355

221.5859,
286.3570, 227.7612

 2.3540, 5.7318,
1.5900

267.6753,

 0.8221, 2.6827,

341.7387, 276.9934

0.2837

319.7496,
403.8368, 332.8533

■ 0.0000, 0.9684,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.2749, 73.5838,
48.1125

■ 50.2749, 73.5838,
48.1125

■ 45.0813, 71.0878,
39.7680

■ 56.6213, 76.6514,
57.7270

■ 40.9633, 69.1185,
32.6354

■ 64.1801, 80.3140,
68.6567

■ 37.8430, 67.6390,
26.6592

■ 73.0134, 84.6047,
80.9505

■ 35.6287, 66.6032,
21.7776

■ 83.1773, 89.5517,
94.6533

■ 34.2107, 65.9561,
17.9228

■ 91.9438, 93.7876,
107.8646

■ 33.5998, 65.6860,
15.8661

Harmonies

Analogous

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



58.2806, 73.5838, 31.7300



50.2749, 73.5838, 48.1125



47.4171, 73.5838, 78.8924

Triad

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



50.2749, 73.5838, 48.1125



69.5091, 73.5838, 177.5597



94.6863, 73.5838, 49.6502

Complementary

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



50.2749, 73.5838, 48.1125



59.4156, 42.8890, 70.7952

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.



98.6569, 73.5838, 81.3608



50.2749, 73.5838, 48.1125



83.0573, 73.5838, 162.4322

Square

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



50.2749, 73.5838, 48.1125



57.6221, 73.5838, 160.4632



94.1599, 73.5838, 123.8766



83.8972, 73.5838, 32.4003

Rectangle

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



50.2749, 73.5838, 48.1125



48.4980, 73.5838, 106.3698



94.1599, 73.5838, 123.8766



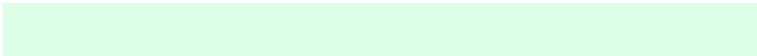
96.9187, 73.5838, 58.5889

Sweetspot

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



50.2768, 73.5868, 48.1142



80.2066, 92.7732, 88.9900



66.3785, 82.1550, 36.7857



16.6815, 19.6210, 18.3803



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.



50.2768, 73.5868, 48.1142



49.9651, 78.1357, 44.5377



56.0225, 75.8851, 78.3705



16.4619, 18.5439, 18.4508



18.1485, 35.4043, 8.8019



1.6358, 3.1280, 0.9881

Inverse Universe

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



59.4156, 42.8890, 70.7952



61.1635, 40.4434, 72.2746



53.7280, 40.6140, 40.8450



17.0158, 16.6892, 19.8298



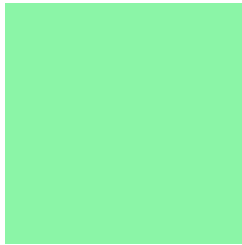
24.8000, 12.2634, 24.7188



2.2219, 1.0947, 2.3949

Previews

White Background



This preview shows how the XYZ color 50.2749, 73.5838, 48.1125 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 50.2749, 73.5838, 48.1125 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 50.2749, 73.5838, 48.1125

Background



This preview shows how black text looks on a background with the XYZ color 50.2749, 73.5838, 48.1125.



This preview shows how white text looks on a background with the XYZ color 50.2749, 73.5838,

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

50.2749, 73.5838, 48.1125

Protanopia

67.5389, 72.4979, 42.3321

Deuteranopia

73.5248, 72.6484, 53.3274



Tritanopia

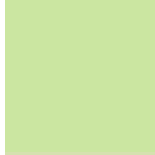
61.2530, 73.2066, 103.8304

Trichromacy



Original Color

50.2749, 73.5838, 48.1125



Protanomaly

59.3584, 71.8633, 44.4607



Deuteranomaly

62.1036, 71.0917, 51.0063



Tritanomaly

56.5219, 73.0023, 80.2191

Monochromacy



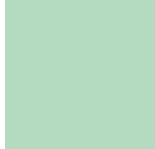
Original Color

50.2749, 73.5838, 48.1125



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.5579, 64.1279, 58.8453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2749, 73.5838, 48.1125 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(139, 245, 167)` looks like.

```
.text, #text, p{  
    color:rgb(139, 245, 167)  
}
```

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(139, 245, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 245, 167) }
```

Border

The CSS property to change the border of an element to XYZ 50.2749, 73.5838, 48.1125 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(139, 245, 167) }
```


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

```
.border{ border-color:rgb(139, 245, 167) }
```

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

Here you see how a box with a 4 pixel rgb(139, 245, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 245, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 245, 167);  
box-shadow:4px 4px 4px 4px rgb(139, 245,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2749, 73.5838, 48.1125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 245, 167) }
```

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

```
.background{ background-color: rgb(139,  
245, 167) }
```

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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