

Converting Colors

XYZ(50.8950, 75.3764, 49.5228)

Have a look what the booklet for
XYZ(50.8950, 75.3764, 49.5228)
contains.

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Color

**XYZ(50.7205, 75.1503,
49.3683)**

Conversions

Conversions Part 1

Format	Color
Hex	87F8A9
RGB	135, 248, 169
RGB Percent	53%, 97%, 66%
CMY	0.4706, 0.0274, 0.3372
CMYK	0.46, 0.00, 0.32, 0.03
HSL	138°, 89%, 75%
HSV	138°, 46%, 97%
XYZ	50.7205, 75.1503, 49.3683
YIQ	205.2070, -41.9890, -48.5250

Conversions

Conversions Part 2

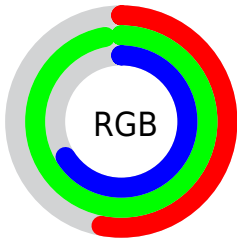
Format	Color
RYB	135, 222, 248
Decimal	8911017
CIELab	89.46, -49.03, 28.19
CIElCh	89, 56.551, 150.105
Yxy	75.1503, 0.2894, 0.4288
Android (android.graphics.Color)	4287101097 (0xFF87F8A9)
YUV	205.2070, -17.8501, -61.5715
Hunter-Lab	86.6893, -47.2687, 26.9177

Details

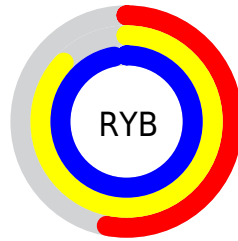
The XYZ color **50.7205, 75.1503, 49.3683** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **59.5154, 42.1410, 68.6182**, and the grayscale version is **58.2909, 61.3266, 66.7846**.

A 20% lighter version of the original color is **71.3429, 88.2937, 84.5164**, and **24.7637, 40.0591, 22.9500** is the 20% darker color. If you saturate the color by 10%, you get **45.6643, 72.7216, 41.1916**, and if you desaturate by 10%, it is **56.9257, 78.1506, 58.7288**.

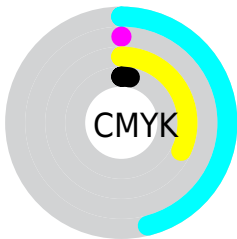
Distribution



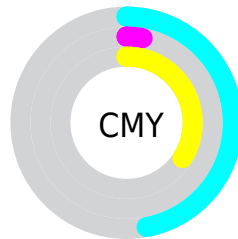
- Red (53%)
- Green (97%)
- Blue (66%)



- Red (53%)
- Yellow (87%)
- Blue (97%)



- Cyan (46%)
- Magenta (0%)
- Yellow (32%)
- Black (3%)





- Cyan (47%)
- Magenta (3%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.7205, 75.1503, 49.3683 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 50.7205, 75.1503, 49.3683 by changing the saturation by 10% instead.


 50.7205, 75.1503,
49.3683


 50.7205, 75.1503,
49.3683


379.8825,
478.4340, 400.8545


 36.2064, 55.7360,
34.5441


 90.4269, 126.5251,
90.6249

 24.7645, 39.9913,
23.0311


 116.3500,
159.2544, 117.8943

 16.0295, 27.5318,
14.4110


 146.8066,
197.1909, 150.1491

 9.6360, 17.9730,
8.2651

182.1623,
240.7188, 187.8080

 5.2187, 10.9306,
4.1748

222.7824,
290.2228, 231.2895

 2.4122, 6.0202,
1.7217


269.0322,

 0.8512, 2.8574,


346.0870, 281.0120


0.3756


321.2771,
408.6959, 337.3942


 0.0000, 1.0577,
0.0000


 0.0000, 0.0000,
0.0000


 50.7205, 75.1503,
49.3683


 50.7205, 75.1503,
49.3683


 45.6643, 72.7216,
41.1916

 56.9257, 78.1506,
58.7288


 41.6775, 70.8181,
34.1461

 64.3413, 81.7469,
69.3128

 38.6789, 69.4012,
28.1828

 73.0311, 85.9733,
81.1643

 36.5727, 68.4225,
23.2469

 83.0524, 90.8586,
94.3236

■ 35.2417, 67.8228,
19.2784

■ 92.8589, 95.6177,
108.1696

■ 34.8259, 67.6405,
17.8091

Harmonies

Analogous

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



58.8740, 75.1503, 31.9557



50.7205, 75.1503, 49.3683



47.9494, 75.1503, 81.9661

Triad

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



50.7205, 75.1503, 49.3683



71.4770, 75.1503, 184.3758



97.0606, 75.1503, 49.1952

Complementary

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



50.7205, 75.1503, 49.3683



59.5154, 42.1410, 68.6182

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.



101.5393, 75.1503, 81.6859



50.7205, 75.1503, 49.3683



85.6509, 75.1503, 167.2361

Square

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



50.7205, 75.1503, 49.3683



58.9485, 75.1503, 167.4618



97.1206, 75.1503, 126.0800



85.5553, 75.1503, 31.8809

Rectangle

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



50.7205, 75.1503, 49.3683



49.2056, 75.1503, 110.9746



97.1206, 75.1503, 126.0800



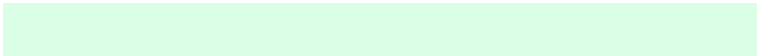
99.4994, 75.1503, 58.2884

Sweetspot

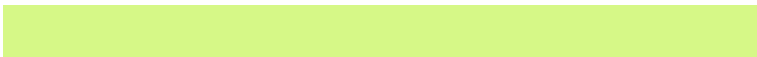
The Sweet Spot groups the original color and five complimentary colors.



50.7225, 75.1534, 49.3700



79.3525, 92.3421, 88.5350



65.7040, 83.1988, 35.5183



16.5212, 19.5393, 18.3313



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.



50.7225, 75.1534, 49.3700



48.8788, 77.5805, 44.2737



57.2066, 77.7471, 83.5151



17.2323, 19.3952, 19.4239



18.8661, 36.5594, 9.9041



1.7920, 3.4039, 1.1528

Inverse Universe

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



59.5154, 42.1410, 68.6182



59.3273, 38.2585, 67.0763



53.5146, 39.7407, 37.0188



17.7575, 17.4304, 20.5789



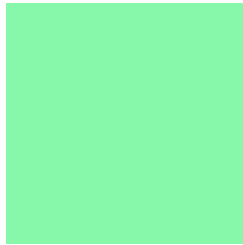
25.0715, 12.4443, 22.8829



2.3689, 1.1713, 2.3662

Previews

White Background



This preview shows how the XYZ color 50.7205, 75.1503, 49.3683 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 50.7205, 75.1503, 49.3683 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 50.7205, 75.1503, 49.3683

Background



This preview shows how black text looks on a background with the XYZ color 50.7205, 75.1503, 49.3683.

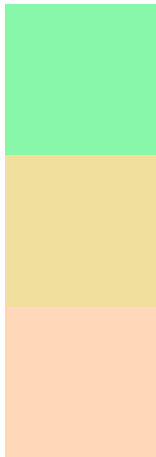


This preview shows how white text looks on a background with the XYZ color 50.7205, 75.1503,

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

50.7205, 75.1503, 49.3683

Protanopia

68.8349, 73.9447, 42.9925

Deuteranopia

74.5528, 73.8745, 56.2288



Tritanopia

62.4347, 75.0575, 105.8046

Trichromacy



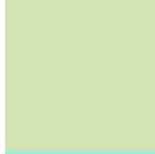
Original Color

50.7205, 75.1503, 49.3683



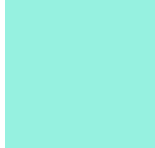
Protanomaly

59.7353, 72.8784, 45.1010



Deuteranomaly

62.7441, 72.5904, 53.3522



Tritanomaly

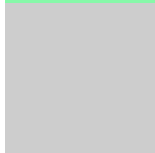
57.4875, 74.7764, 81.9244

Monochromacy



Original Color

50.7205, 75.1503, 49.3683



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

54.1933, 65.2220, 59.6020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7205, 75.1503, 49.3683 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(135, 248, 169)` looks like.

```
.text, #text, p{  
    color:rgb(135, 248, 169)  
}
```

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(135, 248, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 248, 169) }
```

Border

The CSS property to change the border of an element to XYZ 50.7205, 75.1503, 49.3683 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(135, 248, 169) }
```


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

```
.border{ border-color:rgb(135, 248, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 248, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 248, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 248, 169); box-shadow:4px 4px 4px 4px rgb(135, 248, 169) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7205, 75.1503, 49.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 248, 169) }
```

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

```
.background{ background-color: rgb(135,  
248, 169) }
```

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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