

Converting Colors

XYZ(49.9073, 68.8135, 50.5220)

Have a look what the booklet for
XYZ(49.9073, 68.8135, 50.5220)
contains.

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Color

**XYZ(50.1108, 69.0520,
50.7316)**

Conversions

Conversions Part 1

Format	Color
Hex	97EBAE
RGB	151, 235, 174
RGB Percent	59%, 92%, 68%
CMY	0.4078, 0.0784, 0.3176
CMYK	0.36, 0.00, 0.26, 0.08
HSL	136°, 68%, 76%
HSV	136°, 36%, 92%
XYZ	50.1108, 69.0520, 50.7316
YIQ	202.9300, -30.4830, -36.7790

Conversions

Conversions Part 2

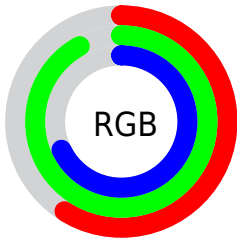
Format	Color
RYB	151, 217, 235
Decimal	9956270
CIELab	86.53, -38.01, 21.73
CIElCh	87, 43.784, 150.250
Yxy	69.0520, 0.2950, 0.4064
Android (android.graphics.Color)	4288146350 (0xFF97EBAE)
YUV	202.9300, -14.2625, -45.5426
Hunter-Lab	83.0975, -37.7788, 21.9713

Details

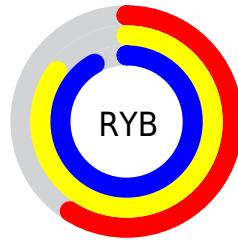
The XYZ color **50.1108, 69.0520, 50.7316** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.2135, 44.5503, 67.8737**, and the grayscale version is **56.8227, 59.7819, 65.1025**.

A 20% lighter version of the original color is **76.0554, 90.6431, 88.3502**, and **24.3952, 36.1075, 23.7728** is the 20% darker color. If you saturate the color by 10%, you get **44.6172, 66.4021, 42.3350**, and if you desaturate by 10%, it is **56.6887, 72.2404, 60.2854**.

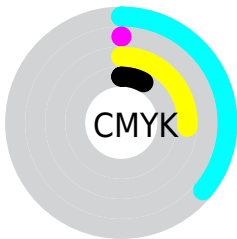
Distribution



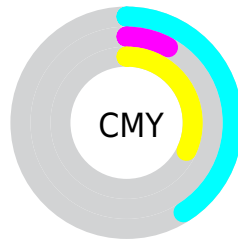
- Red (59%)
- Green (92%)
- Blue (68%)



- Red (59%)
- Yellow (85%)
- Blue (92%)



- Cyan (36%)
- Magenta (0%)
- Yellow (26%)
- Black (8%)





- Cyan (41%)
- Magenta (8%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1108, 69.0520, 50.7316 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 50.1108, 69.0520, 50.7316 by changing the saturation by 10% instead.


 50.1108, 69.0520,
50.7316


 50.1108, 69.0520,
50.7316


377.5439,
457.2144, 406.3368

 35.7196, 50.7541,
35.6198


 89.5299, 117.8558,
92.6653

 24.3868, 36.0129,
23.8533


 115.2884,
149.1305, 120.3244

 15.7471, 24.4442,
15.0137


145.5668,
185.4996, 153.0029

 9.4351, 15.6634,
8.6823

180.7305,
227.3474, 191.1195

 5.0854, 9.2863,
4.4405

221.1446,
275.0584, 235.0926

 2.3327, 4.9284,
1.8700


267.1747,

 0.8113, 2.2053,


329.0170, 285.3408


0.4735


319.1860,
389.6075, 342.2827


 0.0000, 0.7229,
0.0000


 0.0000, 0.0000,
0.0000


 50.1108, 69.0520,
50.7316


 50.1108, 69.0520,
50.7316


 44.6172, 66.4021,
42.3350


 56.6887, 72.2404,
60.2854


 40.1427, 64.2521,
35.0469

 64.4007, 75.9861,
71.0334

 36.6232, 62.5718,
28.8221

 73.2997, 80.3177,
83.0167

 33.9849, 61.3244,
23.6101

 83.4340, 85.2592,
96.2730

■ 32.1424, 60.4668,
19.3564

■ 88.9997, 87.8994,
106.8832

■ 30.9917, 59.9466,
16.0012

■ 30.6450, 59.7935,
14.8284

Harmonies

Analogous

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



56.2870, 69.0520, 36.5154



50.1108, 69.0520, 50.7316



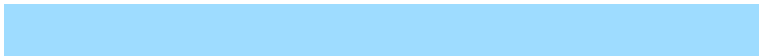
47.9937, 69.0520, 75.4301

Triad

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



50.1108, 69.0520, 50.7316



65.7171, 69.0520, 146.0315



83.9660, 69.0520, 50.4072

Complementary

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



50.1108, 69.0520, 50.7316



57.2135, 44.5503, 67.8737

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.



87.1351, 69.0520, 74.9422



50.1108, 69.0520, 50.7316



75.9577, 69.0520, 134.5073

Square

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



50.1108, 69.0520, 50.7316



56.4203, 69.0520, 134.8672



84.0664, 69.0520, 106.4544



75.7952, 69.0520, 36.3648

Rectangle

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



50.1108, 69.0520, 50.7316



48.9789, 69.0520, 96.2276



84.0664, 69.0520, 106.4544



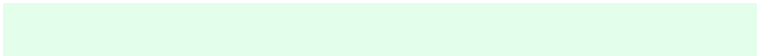
85.6870, 69.0520, 57.4596

Sweetspot

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



50.1126, 69.0549, 50.7331



82.3648, 93.8196, 92.0854



62.6215, 75.7407, 40.5977



17.3215, 19.9314, 19.2940



0.0000, 0.0000, 0.0000



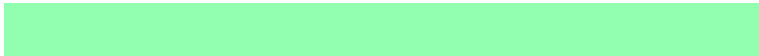
20.3446, 21.4041, 23.3091

Same Dimension

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



50.1126, 69.0549, 50.7331



55.2734, 80.6814, 53.4095



54.7902, 70.9259, 75.3648



15.0378, 16.9299, 16.8817



17.1006, 33.2947, 8.4947



1.3822, 2.6302, 0.8742

Inverse Universe

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



57.2135, 44.5503, 67.8737



65.0065, 47.0529, 76.8738



52.6422, 42.7218, 43.8012



15.5286, 15.2393, 18.0690



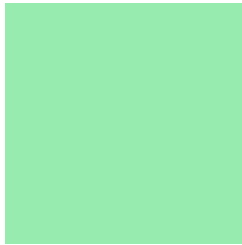
23.1970, 11.4815, 22.6363



1.8616, 0.9176, 1.9887

Previews

White Background



This preview shows how the XYZ color 50.1108, 69.0520, 50.7316 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 50.1108, 69.0520, 50.7316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

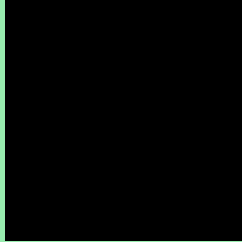
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1108, 69.0520, 50.7316

Background



This preview shows how black text looks on a background with the XYZ color 50.1108, 69.0520, 50.7316.



This preview shows how white text looks on a background with the XYZ color 50.1108, 69.0520,

50.7316.

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

50.1108, 69.0520, 50.7316

Protanopia

63.7251, 68.1405, 45.3911

Deuteranopia

69.6180, 68.0607, 52.6478



Tritanopia

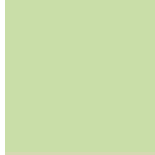
59.0425, 68.9237, 95.7797

Trichromacy



Original Color

50.1108, 69.0520, 50.7316



Protanomaly

57.2766, 67.4872, 47.0533



Deuteranomaly

60.2893, 66.9862, 51.8715



Tritanomaly

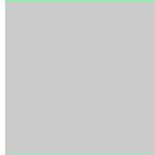
55.3027, 68.6267, 77.3493

Monochromacy



Original Color

50.1108, 69.0520, 50.7316



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

53.5820, 62.5970, 59.1275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1108, 69.0520, 50.7316 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(151, 235, 174)` looks like.

```
.text, #text, p{  
    color:rgb(151, 235, 174)  
}
```

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(151, 235, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 235, 174) }
```

Border

The CSS property to change the border of an element to XYZ 50.1108, 69.0520, 50.7316 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(151, 235, 174) }
```


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

```
.border{ border-color:rgb(151, 235, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 235, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 235, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 235, 174);  
box-shadow:4px 4px 4px 4px rgb(151, 235,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1108, 69.0520, 50.7316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 235, 174) }
```

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

```
.background{ background-color: rgb(151,  
235, 174) }
```

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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