

Converting Colors

XYZ(50.5951, 71.4220, 52.7909)

Have a look what the booklet for
XYZ(50.5951, 71.4220, 52.7909)
contains.

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Color

**XYZ(50.5975, 71.4238,
52.7144)**

Conversions

Conversions Part 1

Format	Color
Hex	90F0B1
RGB	144, 240, 177
RGB Percent	56%, 94%, 69%
CMY	0.4353, 0.0588, 0.3059
CMYK	0.40, 0.00, 0.26, 0.06
HSL	141°, 76%, 75%
HSV	141°, 40%, 94%
XYZ	50.5975, 71.4238, 52.7144
YIQ	204.1140, -36.9930, -39.9450

Conversions

Conversions Part 2

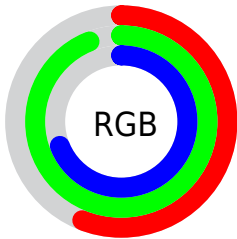
Format	Color
RYB	144, 215, 240
Decimal	9498801
CIELab	87.69, -41.71, 21.73
CIELCh	88, 47.035, 152.480
Yxy	71.4238, 0.2896, 0.4088
Android (android.graphics.Color)	4287688881 (0xFF90F0B1)
YUV	204.1140, -13.3672, -52.7200
Hunter-Lab	84.5126, -41.0295, 22.1769

Details

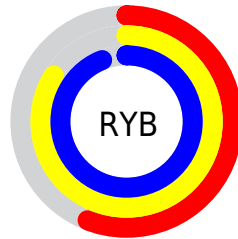
The XYZ color **50.5975, 71.4238, 52.7144** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.1733, 42.9783, 64.3164**, and the grayscale version is **57.5667, 60.5647, 65.9549**.

A 20% lighter version of the original color is **74.5554, 89.8207, 90.4984**, and **24.5961, 37.3969, 24.9908** is the 20% darker color. If you saturate the color by 10%, you get **45.3626, 68.8981, 44.7426**, and if you desaturate by 10%, it is **56.9084, 74.4872, 61.6856**.

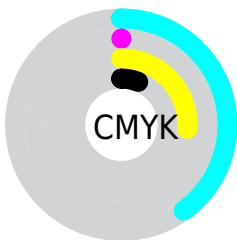
Distribution



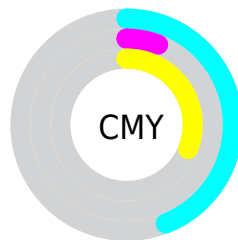
- Red (56%)
- Green (94%)
- Blue (69%)



- Red (56%)
- Yellow (84%)
- Blue (94%)



- Cyan (40%)
- Magenta (0%)
- Yellow (26%)
- Black (6%)





- Cyan (44%)
- Magenta (6%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5975, 71.4238, 52.7144 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 50.5975, 71.4238, 52.7144 by changing the saturation by 10% instead.


 50.5975, 71.4238,
52.7144


 50.5975, 71.4238,
52.7144


379.4114,
465.5336, 414.2236

 36.1081, 52.6881,
37.1887


 90.2461, 121.2370,
95.6213

 24.6882, 37.5539,
25.0567


 116.1360,
153.0833, 123.8395

 15.9724, 25.6366,
15.8999


146.5568,
190.0685, 157.1256

 9.5954, 16.5520,
9.2997

181.8738,
232.5772, 195.8981

 5.1917, 9.9156,
4.8377

222.4524,
280.9936, 240.5757

 2.3961, 5.3430,
2.0953

268.6580,

 0.8432, 2.4499,

335.7022, 291.5767

0.6130

320.8559,
397.0874, 349.3199

0.0000, 0.8514,
0.0000

0.0000, 0.0000,
0.0000

50.5975, 71.4238,
52.7144

50.5975, 71.4238,
52.7144

45.3626, 68.8981,
44.7426

56.9084, 74.4872,
61.6856

41.1350, 66.8696,
37.7303

64.3475, 78.1086,
71.6845

37.8465, 65.3056,
31.6421

72.9703, 82.3179,
82.7444

35.4177, 64.1662,
26.4383

82.8266, 87.1403,
94.8955

■ 33.7546, 63.4036,
22.0764

■ 90.4514, 90.8029,
107.3671

■ 32.7035, 62.9397,
18.5077

Harmonies

Analogous

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



57.0150, 71.4238, 36.6301



50.5975, 71.4238, 52.7144



48.6460, 71.4238, 80.4543

Triad

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



50.5975, 71.4238, 52.7144



68.8177, 71.4238, 156.6236



87.6190, 71.4238, 49.2442

Complementary

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



50.5975, 71.4238, 52.7144



57.1733, 42.9783, 64.3164

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.



91.6290, 71.4238, 75.1429



50.5975, 71.4238, 52.7144



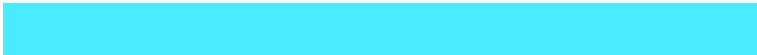
80.0582, 71.4238, 141.8911

Square

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



50.5975, 71.4238, 52.7144



58.4567, 71.4238, 145.8934



88.7228, 71.4238, 109.7181



78.2788, 71.4238, 35.0459

Rectangle

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



50.5975, 71.4238, 52.7144



49.9455, 71.4238, 103.6780



88.7228, 71.4238, 109.7181



89.6785, 71.4238, 56.5806

Sweetspot

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



50.5994, 71.4267, 52.7160



81.6082, 93.4247, 92.2672



62.2091, 77.7470, 38.1142



17.1810, 19.8568, 19.3850



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.



50.5994, 71.4267, 52.7160



53.0757, 79.5564, 52.9485



56.1185, 73.6344, 81.7790



15.7902, 17.7461, 17.9179



17.9578, 34.4752, 10.4269



1.5390, 2.8860, 1.1048

Inverse Universe

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



57.1733, 42.9783, 64.3164



61.5737, 42.7261, 67.9030



52.2556, 41.0113, 38.4205



16.2100, 15.9337, 18.6620



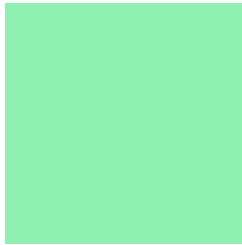
23.0914, 11.5090, 18.9296



1.9675, 0.9761, 1.8198

Previews

White Background



This preview shows how the XYZ color 50.5975, 71.4238, 52.7144 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 50.5975, 71.4238, 52.7144 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 50.5975, 71.4238, 52.7144

Background



This preview shows how black text looks on a background with the XYZ color 50.5975, 71.4238, 52.7144.



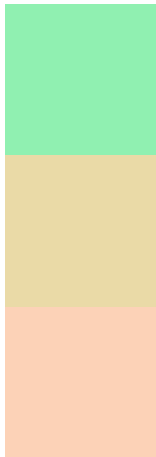
This preview shows how white text looks on a background with the XYZ color 50.5975, 71.4238,

52.7144.

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

50.5975, 71.4238, 52.7144

Protanopia

65.9781, 70.4253, 46.6752

Deuteranopia

71.7387, 70.2075, 54.5701



Tritanopia

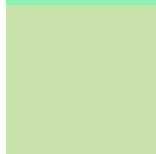
60.1720, 71.4650, 100.2452

Trichromacy



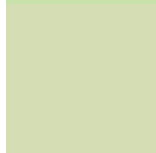
Original Color

50.5975, 71.4238, 52.7144



Protanomaly

58.6344, 69.7505, 48.9009



Deuteranomaly

61.6375, 69.1952, 53.8234



Tritanomaly

56.0685, 71.0434, 80.5697

Monochromacy



Original Color

50.5975, 71.4238, 52.7144



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.8419, 63.4658, 60.4513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5975, 71.4238, 52.7144 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(144, 240, 177)` looks like.

```
.text, #text, p{  
    color:rgb(144, 240, 177)  
}
```

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(144, 240, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 240, 177) }
```

Border

The CSS property to change the border of an element to XYZ 50.5975, 71.4238, 52.7144 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(144, 240, 177) }
```


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

```
.border{ border-color:rgb(144, 240, 177) }
```

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

Here you see how a box with a 4 pixel rgb(144, 240, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 240, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 240, 177);  
box-shadow:4px 4px 4px 4px rgb(144, 240,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5975, 71.4238, 52.7144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 240, 177) }
```

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

```
.background{ background-color: rgb(144,  
240, 177) }
```

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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