

Converting Colors

XYZ(51.8101, 75.9293, 42.4715)

Have a look what the booklet for
XYZ(51.8101, 75.9293, 42.4715)
contains.

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Color

**XYZ(51.7946, 75.8575,
42.4839)**

Conversions

Conversions Part 1

Format	Color
Hex	95F89A
RGB	149, 248, 154
RGB Percent	58%, 97%, 60%
CMY	0.4157, 0.0274, 0.3961
CMYK	0.40, 0.00, 0.38, 0.03
HSL	123°, 88%, 78%
HSV	123°, 40%, 97%
XYZ	51.7946, 75.8575, 42.4839
YIQ	207.6830, -28.8300, -50.2220

Conversions

Conversions Part 2

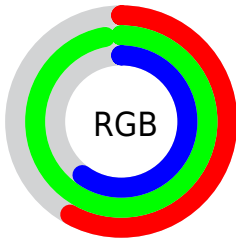
Format	Color
RYB	149, 243, 248
Decimal	9828506
CIELab	89.79, -47.61, 36.26
CIElCh	90, 59.840, 142.707
Yxy	75.8575, 0.3044, 0.4459
Android (android.graphics.Color)	4288018586 (0xFF95F89A)
YUV	207.6830, -26.4657, -51.4650
Hunter-Lab	87.0962, -46.2675, 32.0468

Details

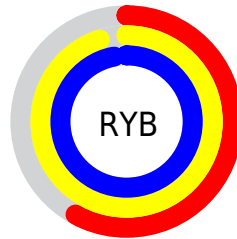
The XYZ color **51.7946, 75.8575, 42.4839** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **65.6390, 47.9239, 90.5876**, and the grayscale version is **59.9299, 63.0509, 68.6624**.

A 20% lighter version of the original color is **73.0008, 89.3888, 73.7278**, and **25.4427, 40.4962, 19.0460** is the 20% darker color. If you saturate the color by 10%, you get **45.9700, 73.0618, 32.9590**, and if you desaturate by 10%, it is **58.9711, 79.3101, 54.0834**.

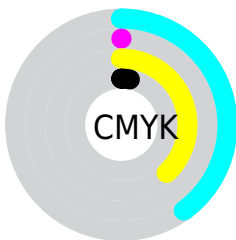
Distribution



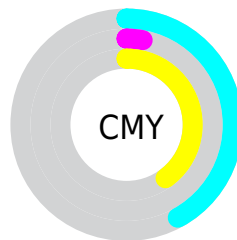
- Red (58%)
- Green (97%)
- Blue (60%)



- Red (58%)
- Yellow (95%)
- Blue (97%)



- Cyan (40%)
- Magenta (0%)
- Yellow (38%)
- Black (3%)




- Cyan (42%)
- Magenta (3%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7946, 75.8575, 42.4839 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 51.7946, 75.8575, 42.4839 by changing the saturation by 10% instead.

 51.7946, 75.8575,
42.4839


 51.7946, 75.8575,
42.4839


383.9801,
480.8598, 372.3436

 37.0650, 56.3157,
29.1520


 92.0043, 127.5255,
80.2094

 25.4317, 40.4561,
18.9493


 118.2150,
160.4204, 105.4402

 16.5294, 27.8943,
11.4572


148.9836,
198.5351, 135.4742

 9.9928, 18.2460,
6.2572

184.6752,
242.2540, 170.7302

 5.4564, 11.1268,
2.9308

225.6553,
291.9616, 211.6265

 2.5549, 6.1522,
1.0594


272.2893,

 0.9230, 2.9378,


348.0421, 258.5819


0.0000

324.9424,
410.8800, 312.0147


 0.0000, 1.0994,
0.0000


 0.0000, 0.0000,
0.0000


 51.7946, 75.8575,
42.4839


 51.7946, 75.8575,
42.4839


 45.9700, 73.0618,
32.9590


 58.9711, 79.3101,
54.0834

 41.4073, 70.8727,
25.3817

 67.5708, 83.4473,
67.8643

 38.0146, 69.2477,
19.6192

 77.6669, 88.3068,
83.9324

 35.6851, 68.1351,
15.5195

 89.3257, 93.9208,
102.3848

■ 34.2923, 67.4735,
12.9066

■ 92.8589, 95.6178,
108.1696

■ 33.6422, 67.1674,
11.5627

■ 33.6386, 67.1657,
11.5564

Harmonies

Analogous

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



61.6892, 75.8575, 28.0113



51.7946, 75.8575, 42.4839



47.4513, 75.8575, 72.7000

Triad

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



51.7946, 75.8575, 42.4839



68.5566, 75.8575, 192.3140



101.5823, 75.8575, 55.0227

Complementary

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



51.7946, 75.8575, 42.4839



65.6390, 47.9239, 90.5876

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.



104.0787, 75.8575, 93.3514



51.7946, 75.8575, 42.4839



83.6214, 75.8575, 182.5704

Square

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



51.7946, 75.8575, 42.4839



56.2335, 75.8575, 165.6130



97.1207, 75.8575, 142.2886



90.7019, 75.8575, 33.3356

Rectangle

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



51.7946, 75.8575, 42.4839



47.8044, 75.8575, 101.7980



97.1207, 75.8575, 142.2886



103.4853, 75.8575, 65.9745

Sweetspot

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



51.7965, 75.8607, 42.4856



80.3446, 92.9193, 85.6131



75.9749, 88.3722, 41.4876



16.8857, 19.7387, 17.8298



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.



51.7965, 75.8607, 42.4856



50.0142, 78.3318, 36.8266



56.7972, 77.8609, 68.8187



17.0529, 19.3234, 18.4793



18.1854, 36.2871, 6.3194



1.6964, 3.3657, 0.6490

Inverse Universe

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



65.6390, 47.9239, 90.5876



66.6432, 44.7539, 94.5987



59.1482, 45.3276, 56.4077



17.9529, 17.5085, 21.6079



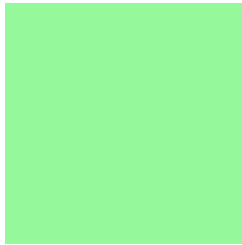
29.0656, 14.0419, 43.9152



2.7033, 1.3051, 4.1269

Previews

White Background



This preview shows how the XYZ color 51.7946, 75.8575, 42.4839 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 51.7946, 75.8575, 42.4839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

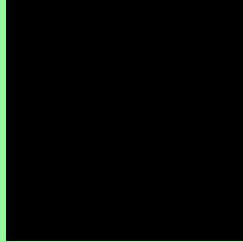
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

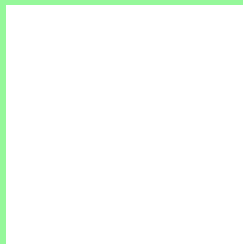
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.7946, 75.8575, 42.4839

Background



This preview shows how black text looks on a background with the XYZ color 51.7946, 75.8575, 42.4839.



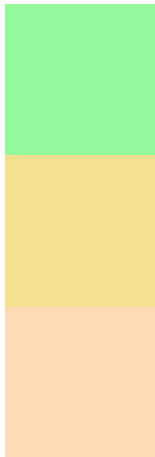
This preview shows how white text looks on a background with the XYZ color 51.7946, 75.8575,

42.4839.

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

51.7946, 75.8575, 42.4839

Protanopia

69.0747, 74.5887, 37.5445

Deuteranopia

74.8586, 74.8217, 55.2963



Tritanopia

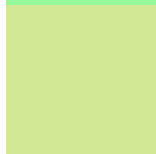
64.4076, 75.6459, 105.8142

Trichromacy



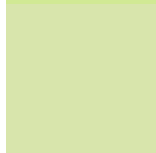
Original Color

51.7946, 75.8575, 42.4839



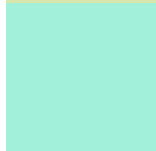
Protanomaly

60.7787, 73.9713, 39.0915



Deuteranomaly

63.7846, 73.6161, 49.8772



Tritanomaly

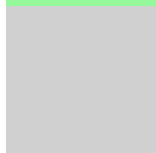
58.7153, 75.0635, 77.7238

Monochromacy



Original Color

51.7946, 75.8575, 42.4839



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

55.9583, 66.9710, 57.5543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7946, 75.8575, 42.4839 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(149, 248, 154)` looks like.

```
.text, #text, p{  
    color:rgb(149, 248, 154)  
}
```

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(149, 248, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 248, 154) }
```

Border

The CSS property to change the border of an element to XYZ 51.7946, 75.8575, 42.4839 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(149, 248, 154) }
```


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

```
.border{ border-color:rgb(149, 248, 154) }
```

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

Here you see how a box with a 4 pixel rgb(149, 248, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 248, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 248, 154);  
box-shadow:4px 4px 4px 4px rgb(149, 248,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7946, 75.8575, 42.4839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 248, 154) }
```

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

```
.background{ background-color: rgb(149,  
248, 154) }
```

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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