

Converting Colors

XYZ(47.4447, 70.5105, 42.4678)

Have a look what the booklet for
XYZ(47.4447, 70.5105, 42.4678)
contains.

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Color

**XYZ(47.4477, 70.4618,
42.5522)**

Conversions

Conversions Part 1

Format	Color
Hex	87F19C
RGB	135, 241, 156
RGB Percent	53%, 95%, 61%
CMY	0.4706, 0.0549, 0.3882
CMYK	0.44, 0.00, 0.35, 0.05
HSL	132°, 79%, 74%
HSV	132°, 44%, 95%
XYZ	47.4477, 70.4618, 42.5522
YIQ	199.6160, -35.8910, -48.9070

Conversions

Conversions Part 2

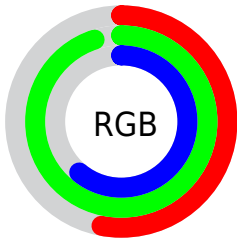
Format	Color
RYB	135, 223, 241
Decimal	8909212
CIELab	87.22, -48.29, 31.75
CIELCh	87, 57.788, 146.677
Yxy	70.4618, 0.2957, 0.4391
Android (android.graphics.Color)	4287099292 (0xFF87F19C)
YUV	199.6160, -21.5027, -56.6682
Hunter-Lab	83.9415, -46.0011, 28.7034

Details

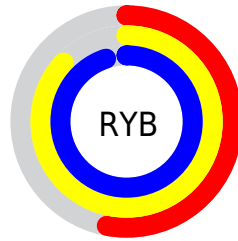
The XYZ color **47.4477, 70.4618, 42.5522** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **57.8601, 41.1974, 72.6149**, and the grayscale version is **54.8088, 57.6631, 62.7952**.

A 20% lighter version of the original color is **69.5102, 87.5606, 74.8653**, and **22.6997, 36.8582, 19.0147** is the 20% darker color. If you saturate the color by 10%, you get **42.4919, 68.0833, 34.4473**, and if you desaturate by 10%, it is **53.5451, 73.4027, 52.0727**.

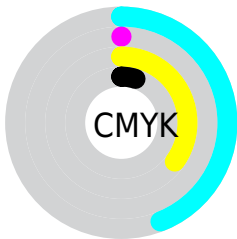
Distribution



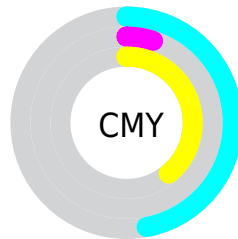
- Red (53%)
- Green (95%)
- Blue (61%)



- Red (53%)
- Yellow (87%)
- Blue (95%)



- Cyan (44%)
- Magenta (0%)
- Yellow (35%)
- Black (5%)



- Cyan (47%)
- Magenta (5%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4477, 70.4618, 42.5522 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 47.4477, 70.4618, 42.5522 by changing the saturation by 10% instead.

47.4477, 70.4618,
42.5522

47.4477, 70.4618,
42.5522

367.2179,
462.1698, 372.6339

33.5991, 51.9031,
29.2051

85.5962, 119.8671,
80.3138

22.7473, 36.9278,
18.9891

110.6269,
151.4824, 105.5653

14.5267, 25.1516,
11.4857

140.1156,
188.2188, 135.6222

8.5720, 16.1901,
6.2763

174.4278,
230.4606, 170.9028

4.5180, 9.6587,
2.9423

213.9287,
278.5922, 211.8257

1.9991, 5.1733,
1.0652

258.9838,

0.6335, 2.3493,

332.9980, 258.8095

0.0000

309.9584,
394.0624, 312.2727

0.0000, 0.7996,
0.0000

0.0000, 0.0000,
0.0000

47.4477, 70.4618,
42.5522

47.4477, 70.4618,
42.5522

42.4919, 68.0833,
34.4473

53.5451, 73.4027,
52.0727

38.6001, 66.2226,
27.6858


60.8445, 76.9299,
63.0670


35.6933, 64.8426,
22.1962


69.4084, 81.0764,
75.5958

33.6786, 63.8970,
17.8982

79.2936, 85.8701,
89.7151

 32.4448, 63.3304,
14.7027

 90.3676, 91.2417,
105.4692

 31.9850, 63.1247,
13.2675

 90.7467, 91.3933,
107.4656

Harmonies

Analogous

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



55.9260, 70.4618, 27.4425



47.4477, 70.4618, 42.5522



44.1522, 70.4618, 72.4694

Triad

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



47.4477, 70.4618, 42.5522



65.4704, 70.4618, 178.1299



93.1005, 70.4618, 47.8217

Complementary

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



47.4477, 70.4618, 42.5522



57.8601, 41.1974, 72.6149

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.



96.5474, 70.4618, 81.1356



47.4477, 70.4618, 42.5522



79.3839, 70.4618, 164.7512

Square

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



47.4477, 70.4618, 42.5522



53.6344, 70.4618, 157.6444



91.2289, 70.4618, 125.5374



82.3550, 70.4618, 29.6841

Rectangle

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



47.4477, 70.4618, 42.5522



44.9551, 70.4618, 100.2282



91.2289, 70.4618, 125.5374



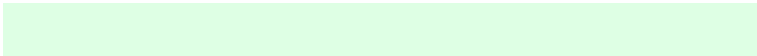
95.2090, 70.4618, 57.2105

Sweetspot

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



47.4495, 70.4647, 42.5538



79.8999, 92.6506, 87.3753



65.8228, 80.1245, 34.9185



16.6066, 19.5910, 17.9860



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.



47.4495, 70.4647, 42.5538



48.7221, 77.5972, 39.8598



52.7645, 72.5907, 70.5424



15.6939, 17.7076, 17.4110



17.3817, 34.2447, 7.3930



1.4801, 2.8625, 0.7946

Inverse Universe

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



57.8601, 41.1974, 72.6149



61.9732, 40.2708, 78.0689



52.0624, 38.8783, 42.0846



16.3122, 15.9746, 19.2003



24.9557, 12.2547, 28.7467



2.1099, 1.0330, 2.5694

Previews

White Background



This preview shows how the XYZ color 47.4477, 70.4618, 42.5522 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 47.4477, 70.4618, 42.5522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

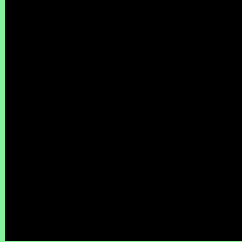
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

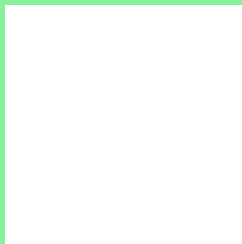
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.4477, 70.4618, 42.5522

Background



This preview shows how black text looks on a background with the XYZ color 47.4477, 70.4618, 42.5522.

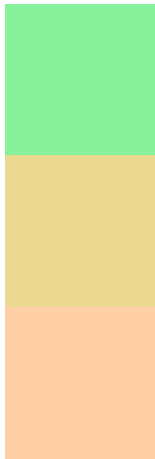


This preview shows how white text looks on a background with the XYZ color 47.4477, 70.4618,

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

47.4477, 70.4618, 42.5522

Protanopia

64.2621, 69.3632, 37.1956

Deuteranopia

70.5874, 69.0884, 45.2123



Tritanopia

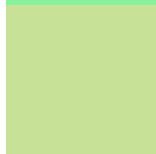
58.7577, 70.3395, 99.2870

Trichromacy



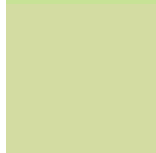
Original Color

47.4477, 70.4618, 42.5522



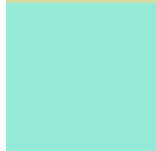
Protanomaly

56.2546, 68.7368, 39.1568



Deuteranomaly

58.9788, 67.6439, 44.1305



Tritanomaly

53.9013, 70.0478, 74.9697

Monochromacy



Original Color

47.4477, 70.4618, 42.5522



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

50.8567, 61.2917, 54.4974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4477, 70.4618, 42.5522 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, 241, 156)` looks like.

```
.text, #text, p{  
    color:rgb(135, 241, 156)  
}
```

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, 241, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 241, 156) }
```

Border

The CSS property to change the border of an element to XYZ 47.4477, 70.4618, 42.5522 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, 241, 156) }
```


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

```
.border{ border-color:rgb(135, 241, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 241, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 241, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 241, 156);  
box-shadow:4px 4px 4px 4px rgb(135, 241,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4477, 70.4618, 42.5522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 241, 156) }
```

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

```
.background{ background-color: rgb(135,  
241, 156) }
```

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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