

Converting Colors

XYZ(47.0303, 70.7990, 27.5577)

Have a look what the booklet for
XYZ(47.0303, 70.7990, 27.5577)
contains.

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Color

**XYZ(47.2989, 71.1548,
27.7643)**

Conversions

Conversions Part 1

Format	Color
Hex	95F274
RGB	149, 242, 116
RGB Percent	58%, 95%, 45%
CMY	0.4157, 0.0510, 0.5451
CMYK	0.38, 0.00, 0.52, 0.05
HSL	104°, 83%, 70%
HSV	104°, 52%, 95%
XYZ	47.2989, 71.1548, 27.7643
YIQ	199.8290, -14.9820, -58.9020

Conversions

Conversions Part 2

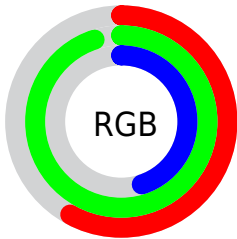
Format	Color
RYB	116, 242, 209
Decimal	9826932
CIELab	87.56, -50.16, 51.73
CIELCh	88, 72.051, 134.117
Yxy	71.1548, 0.3235, 0.4866
Android (android.graphics.Color)	4288017012 (0xFF95F274)
YUV	199.8290, -41.3277, -44.5770
Hunter-Lab	84.3533, -47.5291, 39.5324

Details

The XYZ color **47.2989, 71.1548, 27.7643** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **48.5704, 32.4592, 87.7137**, and the grayscale version is **55.0489, 57.9158, 63.0703**.

A 20% lighter version of the original color is **68.8428, 87.7257, 51.8324**, and **22.6598, 37.3321, 10.7142** is the 20% darker color. If you saturate the color by 10%, you get **43.0581, 69.1128, 21.1508**, and if you desaturate by 10%, it is **52.4097, 73.6073, 36.3352**.

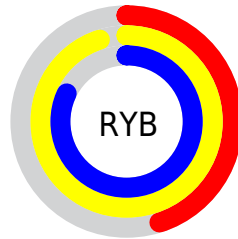
Distribution



Red (58%)

Green (95%)

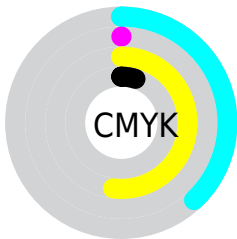
Blue (45%)



Red (45%)

Yellow (95%)

Blue (82%)

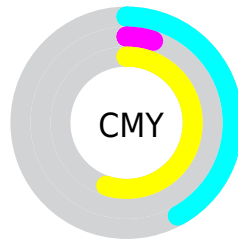


Cyan (38%)

Magenta (0%)

Yellow (52%)

Black (5%)



Cyan (42%)


Magenta (5%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2989, 71.1548, 27.7643 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 47.2989, 71.1548, 27.7643 by changing the saturation by 10% instead.


 47.2989, 71.1548,
27.7643

 47.2989, 71.1548,
27.7643


366.6354,
464.5944, 305.2154


 33.4809, 52.4685,
17.9106


 85.3756, 120.8541,
57.1265

 22.6561, 37.3787,
10.7170


 110.3651,
152.6360, 77.4720

 14.4591, 25.5008,
5.7651


 139.8092,
189.5518, 102.1519

 8.5245, 16.4506,
2.6363

174.0732,
231.9860, 131.5846

 4.4870, 9.8435,
0.9111

213.5224,
280.3229, 166.1888

 1.9811, 5.2953,
0.0000

258.5223,

 0.6233, 2.4216,

334.9471, 206.3830

0.0000

309.4382,
396.2428, 252.5856

■ 0.0000, 0.8370,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.2989, 71.1548,
27.7643

■ 47.2989, 71.1548,
27.7643

■ 43.0581, 69.1128,
21.1508

■ 52.4097, 73.6073,
36.3352

■ 39.6303, 67.4487,
16.3356


■ 58.4326, 76.4825,
46.9966


■ 36.9592, 66.1396,
13.1426


■ 65.4129, 79.8031,
59.8755

■ 34.9779, 65.1556,
11.3579

■ 73.3914, 83.5877,
75.0873

 33.8276, 64.5764,
10.6816

 82.4063, 87.8537,
92.7395

 91.0436, 91.9872,
107.5645

Harmonies

Analogous

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



59.9535, 71.1548, 17.4698



47.2989, 71.1548, 27.7643



40.7690, 71.1548, 54.5374

Triad

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



47.2989, 71.1548, 27.7643



59.0579, 71.1548, 207.2268



104.6214, 71.1548, 56.7778

Complementary

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



47.2989, 71.1548, 27.7643



48.5704, 32.4592, 87.7137

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.



104.2722, 71.1548, 106.0831



47.2989, 71.1548, 27.7643



75.9364, 71.1548, 208.6723

Square

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



47.2989, 71.1548, 27.7643



46.7386, 71.1548, 162.8222



93.0852, 71.1548, 166.2004



93.9714, 71.1548, 28.8088

Rectangle

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



47.2989, 71.1548, 27.7643



39.9427, 71.1548, 84.4054



93.0852, 71.1548, 166.2004



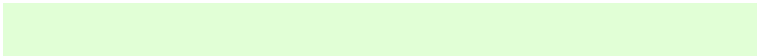
105.8359, 71.1548, 70.9357

Sweetspot

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



47.3006, 71.1578, 27.7659



78.9385, 92.3743, 77.4218



62.4269, 65.4485, 25.8666



16.4992, 19.5836, 15.8149



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.



47.3006, 71.1578, 27.7659



48.4443, 77.8103, 23.7504



44.0986, 69.2773, 37.9992



15.9540, 17.8565, 16.7555



18.2802, 34.7454, 5.7431



1.6110, 2.9370, 0.4820

Inverse Universe

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



48.5704, 32.4592, 87.7137



49.9297, 29.9866, 97.7641



54.8256, 36.1537, 66.7767



16.0268, 15.8110, 19.9287



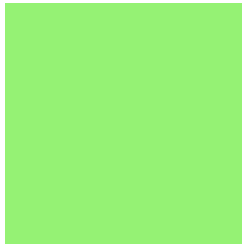
18.6854, 8.6381, 45.8104



1.6471, 0.7664, 3.8153

Previews

White Background



This preview shows how the XYZ color 47.2989, 71.1548, 27.7643 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 47.2989, 71.1548, 27.7643 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

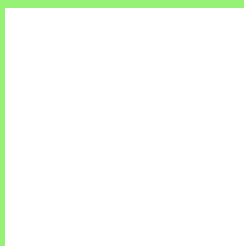
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.2989, 71.1548, 27.7643

Background



This preview shows how black text looks on a background with the XYZ color 47.2989, 71.1548, 27.7643.



This preview shows how white text looks on a background with the XYZ color 47.2989, 71.1548,

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

47.2989, 71.1548, 27.7643

Protanopia

64.0538, 69.9263, 24.3085

Deuteranopia

70.4507, 70.2151, 40.8501



Tritanopia

61.1725, 70.7986, 97.6301

Trichromacy



Original Color

47.2989, 71.1548, 27.7643



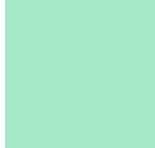
Protanomaly

56.3508, 69.4958, 25.4830



Deuteranomaly

59.2479, 68.7646, 35.3495



Tritanomaly

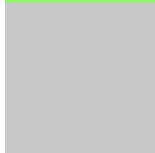
54.5520, 70.1879, 64.7053

Monochromacy



Original Color

47.2989, 71.1548, 27.7643



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

50.5179, 61.2892, 46.7035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2989, 71.1548, 27.7643 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, 242, 116)` looks like.

```
.text, #text, p{  
    color:rgb(149, 242, 116)  
}
```

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, 242, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 242, 116) }
```

Border

The CSS property to change the border of an element to XYZ 47.2989, 71.1548, 27.7643 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, 242, 116) }
```


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

```
.border{ border-color:rgb(149, 242, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 242, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 242, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 242, 116);  
box-shadow:4px 4px 4px 4px rgb(149, 242,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2989, 71.1548, 27.7643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 242, 116) }
```

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

```
.background{ background-color: rgb(149,  
242, 116) }
```

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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