

Converting Colors

XYZ(47.1549, 70.4885, 32.5933)

Have a look what the booklet for
XYZ(47.1549, 70.4885, 32.5933)
contains.

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Color

**XYZ(47.2291, 70.5690,
32.6047)**

Conversions

Conversions Part 1

Format	Color
Hex	91F183
RGB	145, 241, 131
RGB Percent	57%, 95%, 51%
CMY	0.4314, 0.0549, 0.4863
CMYK	0.40, 0.00, 0.46, 0.05
HSL	112°, 80%, 73%
HSV	112°, 46%, 95%
XYZ	47.2291, 70.5690, 32.6047
YIQ	199.7560, -21.9060, -54.5620

Conversions

Conversions Part 2

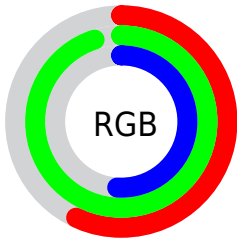
Format	Color
RYB	131, 241, 227
Decimal	9564547
CIELab	87.28, -49.12, 44.26
CIElCh	87, 66.118, 137.983
Yxy	70.5690, 0.3140, 0.4692
Android (android.graphics.Color)	4287754627 (0xFF91F183)
YUV	199.7560, -33.8967, -48.0210
Hunter-Lab	84.0054, -46.6539, 35.7917

Details

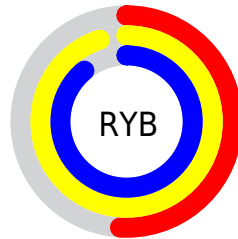
The XYZ color **47.2291, 70.5690, 32.6047** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **55.6754, 38.9166, 87.8000**, and the grayscale version is **54.9627, 57.8250, 62.9715**.

A 20% lighter version of the original color is **69.2515, 87.7617, 59.7441**, and **22.5763, 36.9202, 13.3336** is the 20% darker color. If you saturate the color by 10%, you get **42.4129, 68.2555, 24.8223**, and if you desaturate by 10%, it is **53.1149, 73.3942, 42.4230**.

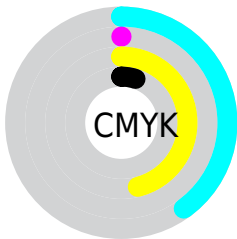
Distribution



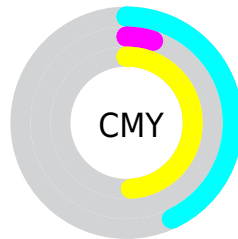
- Red (57%)
- Green (95%)
- Blue (51%)



- Red (51%)
- Yellow (95%)
- Blue (89%)



- Cyan (40%)
- Magenta (0%)
- Yellow (46%)
- Black (5%)





- Cyan (43%)
- Magenta (5%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2291, 70.5690, 32.6047 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 47.2291, 70.5690, 32.6047 by changing the saturation by 10% instead.


 47.2291, 70.5690,
32.6047


 47.2291, 70.5690,
32.6047


366.3619,
462.5453, 328.4419

 33.4255, 51.9905,
21.5552


 85.2722, 120.0198,
64.8668

 22.6134, 36.9975,
13.3352


 110.2423,
151.6610, 86.9164

 14.4274, 25.2056,
7.5264


 139.6654,
188.4252, 113.4697

 8.5022, 16.2303,
3.7100

173.9068,
230.6968, 144.9454

 4.4725, 9.6873,
1.4676

213.3317,
278.8602, 181.7619

 1.9727, 5.1921,
0.1936


258.3057,

 0.6186, 2.3604,


333.2999, 224.3378


0.0000


309.1940,
394.4001, 273.0916


 0.0000, 0.8054,
0.0000


 0.0000, 0.0000,
0.0000


 47.2291, 70.5690,
32.6047


 47.2291, 70.5690,
32.6047


 42.4129, 68.2555,
24.8223


 53.1149, 73.3942,
42.4230


 38.5963, 66.4145,
18.9287


 60.1243, 76.7497,
54.4014


 35.7094, 65.0154,
14.7644

 68.3136, 80.6644,
68.6596

 33.6704, 64.0202,
12.1418

 77.7342, 85.1622,
85.3074

 32.3828, 63.3842,
10.8293

 88.4341, 90.2656,
104.4471

 32.0118, 63.1996,
10.5115

 90.7467, 91.3934,
107.4656

Harmonies

Analogous

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



58.2630, 70.5690, 20.7928



47.2291, 70.5690, 32.6047



41.8823, 70.5690, 60.3589

Triad

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



47.2291, 70.5690, 32.6047



61.0416, 70.5690, 194.6443



99.7062, 70.5690, 53.3250

Complementary

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



47.2291, 70.5690, 32.6047



55.6754, 38.9166, 87.8000

Split Complementary

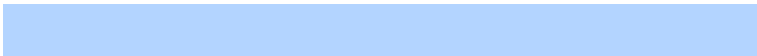
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.7586, 70.5690, 96.0718



47.2291, 70.5690, 32.6047



76.7307, 70.5690, 190.3908

Square

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



47.2291, 70.5690, 32.6047



48.9916, 70.5690, 159.5875



91.8189, 70.5690, 149.5507



89.1336, 70.5690, 29.1752

Rectangle

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



47.2291, 70.5690, 32.6047



41.6160, 70.5690, 89.3488



91.8189, 70.5690, 149.5507



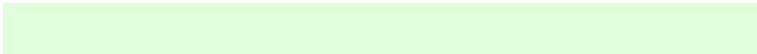
101.2385, 70.5690, 65.5526

Sweetspot

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



47.2308, 70.5720, 32.6063



79.2775, 92.4725, 80.8957



67.6625, 74.9170, 32.3681



16.5020, 19.5700, 16.4956



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.



47.2308, 70.5720, 32.6063



48.4495, 77.7059, 28.5895



48.2001, 70.6921, 49.8013



15.7528, 17.7527, 16.7461



17.4192, 34.3015, 5.7028



1.5084, 2.8841, 0.4772

Inverse Universe

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



55.6754, 38.9166, 87.8000



59.1285, 37.4554, 98.7209



54.8979, 39.1366, 59.7162



16.2448, 15.9234, 19.9389



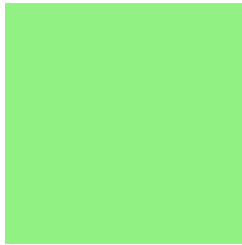
23.1544, 10.9419, 46.0195



1.9810, 0.9385, 3.8310

Previews

White Background



This preview shows how the XYZ color 47.2291, 70.5690, 32.6047 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 47.2291, 70.5690, 32.6047 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 47.2291, 70.5690, 32.6047

Background



This preview shows how black text looks on a background with the XYZ color 47.2291, 70.5690, 32.6047.

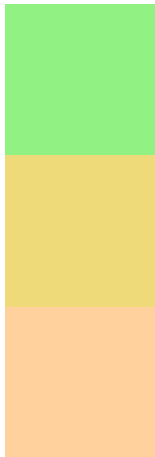


This preview shows how white text looks on a background with the XYZ color 47.2291, 70.5690,

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

47.2291, 70.5690, 32.6047

Protanopia

64.1809, 69.8987, 28.5215

Deuteranopia

70.0412, 69.2612, 41.1297



Tritanopia

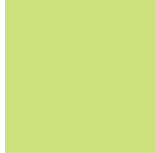
60.1038, 70.2476, 97.5801

Trichromacy



Original Color

47.2291, 70.5690, 32.6047



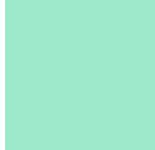
Protanomaly

56.0749, 68.8525, 29.7364



Deuteranomaly

59.1472, 68.2666, 37.6631



Tritanomaly

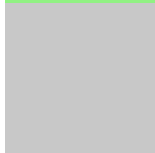
54.1385, 69.9066, 67.7667

Monochromacy



Original Color

47.2291, 70.5690, 32.6047



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

50.8607, 61.3993, 49.7281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2291, 70.5690, 32.6047 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(145, 241, 131)` looks like.

```
.text, #text, p{  
    color:rgb(145, 241, 131)  
}
```

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(145, 241, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 241, 131) }
```

Border

The CSS property to change the border of an element to XYZ 47.2291, 70.5690, 32.6047 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(145, 241, 131) }
```


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

```
.border{ border-color:rgb(145, 241, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 241, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 241, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 241, 131);  
box-shadow:4px 4px 4px 4px rgb(145, 241,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2291, 70.5690, 32.6047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 241, 131) }
```

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

```
.background{ background-color: rgb(145,  
241, 131) }
```

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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