

Converting Colors

XYZ(47.6946, 72.6276, 35.7924)

Have a look what the booklet for
XYZ(47.6946, 72.6276, 35.7924)
contains.

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Color

**XYZ(47.6291, 72.4873,
35.9072)**

Conversions

Conversions Part 1

Format	Color
Hex	89F58B
RGB	137, 245, 139
RGB Percent	54%, 96%, 55%
CMY	0.4627, 0.0392, 0.4549
CMYK	0.44, 0.00, 0.43, 0.04
HSL	121°, 84%, 75%
HSV	121°, 44%, 96%
XYZ	47.6291, 72.4873, 35.9072
YIQ	200.6240, -30.3420, -55.8620

Conversions

Conversions Part 2

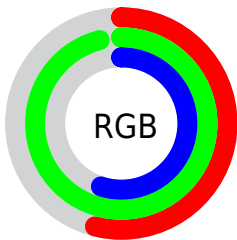
Format	Color
RYB	137, 243, 245
Decimal	9041291
CIELab	88.20, -52.01, 41.48
CIELCh	88, 66.523, 141.422
Yxy	72.4873, 0.3053, 0.4646
Android (android.graphics.Color)	4287231371 (0xFF89F58B)
YUV	200.6240, -30.3806, -55.7982
Hunter-Lab	85.1395, -49.1368, 34.5923

Details

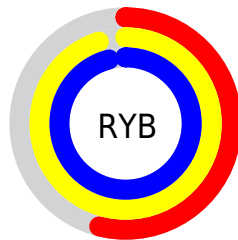
The XYZ color **47.6291, 72.4873, 35.9072** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **62.7817, 43.7761, 89.9367**, and the grayscale version is **55.4816, 58.3709, 63.5659**.

A 20% lighter version of the original color is **68.0033, 87.0171, 64.2508**, and **22.8454, 38.2743, 15.2004** is the 20% darker color. If you saturate the color by 10%, you get **42.4918, 70.0222, 27.4827**, and if you desaturate by 10%, it is **54.0683, 75.5831, 46.4127**.

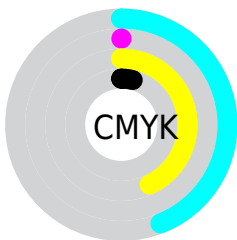
Distribution



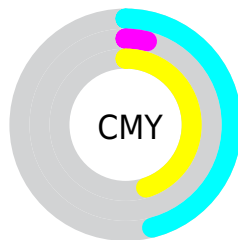
- Red (54%)
- Green (96%)
- Blue (55%)



- Red (54%)
- Yellow (95%)
- Blue (96%)



- Cyan (44%)
- Magenta (0%)
- Yellow (43%)
- Black (4%)





- Cyan (46%)
- Magenta (4%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6291, 72.4873, 35.9072 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 47.6291, 72.4873, 35.9072 by changing the saturation by 10% instead.


 47.6291, 72.4873,
35.9072


 47.6291, 72.4873,
35.9072


367.9272,
469.2359, 343.5799


 33.7433, 53.5568,
24.0734


 85.8650, 122.7491,
70.0562

 22.8584, 38.2475,
15.1754


 110.9457,
154.8492, 93.2086

 14.6091, 26.1748,
8.7946


 140.4888,
192.1080, 120.9708

 8.6300, 16.9545,
4.5125

174.8596,
234.9099, 153.7615

 4.5558, 10.2020,
1.9105

214.4235,
283.6392, 191.9993

 2.0211, 5.5331,
0.4994

259.5459,

 0.6458, 2.5633,

338.6804, 236.1025

0.0000

310.5920,
400.4178, 286.4899

0.0000, 0.9083,
0.0000

0.0000, 0.0000,
0.0000

47.6291, 72.4873,
35.9072

47.6291, 72.4873,
35.9072

42.4918, 70.0222,
27.4827

54.0683, 75.5831,
46.4127

38.5628, 68.1362,
20.9964

61.8838, 79.3390,
59.1196

35.7448, 66.7847,
16.2956

71.1510, 83.7935,
74.1449

33.9232, 65.9122,
13.2024

81.9382, 88.9794,
91.5958

■ 32.9584, 65.4514,
11.5022

■ 91.9439, 93.7878,
107.8646

■ 32.6788, 65.3177,
11.0157

Harmonies

Analogous

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



58.3100, 72.4873, 22.2105



47.6291, 72.4873, 35.9072



42.8434, 72.4873, 66.5586

Triad

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



47.6291, 72.4873, 35.9072



64.4312, 72.4873, 201.2329



101.5047, 72.4873, 51.0402

Complementary

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



47.6291, 72.4873, 35.9072



62.7817, 43.7761, 89.9367

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.



103.8170, 72.4873, 92.7384



47.6291, 72.4873, 35.9072



80.6937, 72.4873, 191.9069

Square

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



47.6291, 72.4873, 35.9072



51.5163, 72.4873, 169.2197



95.7069, 72.4873, 147.1917



89.8038, 72.4873, 28.3125

Rectangle

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



47.6291, 72.4873, 35.9072



43.0359, 72.4873, 97.5931



95.7069, 72.4873, 147.1917



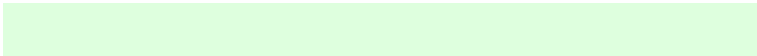
103.4705, 72.4873, 62.8059

Sweetspot

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



47.6309, 72.4903, 35.9088



79.0855, 92.3248, 83.0864



74.2022, 86.2051, 36.3955



16.4086, 19.5119, 16.9435



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.



47.6309, 72.4903, 35.9088



47.0199, 76.9163, 30.8962



52.5742, 74.4676, 61.9396



16.2947, 18.4770, 17.5701



17.6094, 35.1886, 5.9631



1.5520, 3.0945, 0.5467

Inverse Universe

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



62.7817, 43.7761, 89.9367



65.5876, 41.7166, 97.1021



55.8110, 40.9878, 53.2294



17.1996, 16.7627, 20.7976



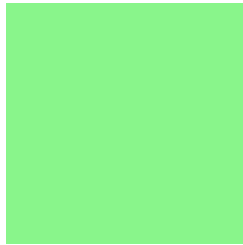
28.8021, 13.8643, 45.7937



2.5356, 1.2202, 4.0468

Previews

White Background



This preview shows how the XYZ color 47.6291, 72.4873, 35.9072 looks on a white background.

Color Contrast Check

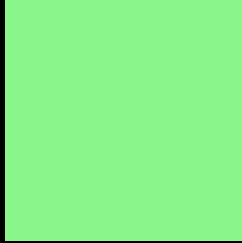
Large Text (above 18pt) WCAG AA × Fail

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 47.6291, 72.4873, 35.9072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

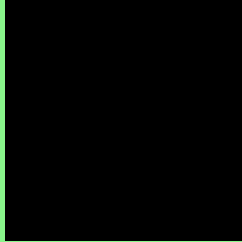
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

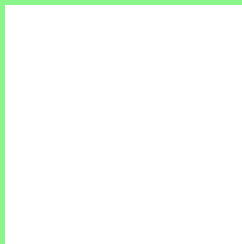
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.6291, 72.4873, 35.9072

Background



This preview shows how black text looks on a background with the XYZ color 47.6291, 72.4873, 35.9072.



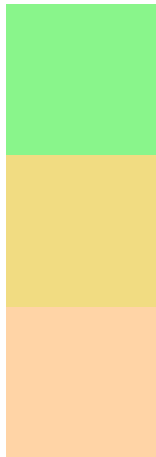
This preview shows how white text looks on a background with the XYZ color 47.6291, 72.4873,

35.9072.

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

47.6291, 72.4873, 35.9072

Protanopia

65.8981, 71.4989, 31.4466

Deuteranopia

71.6664, 71.1001, 46.0229



Tritanopia

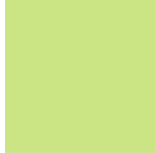
60.7664, 72.1518, 101.9908

Trichromacy



Original Color

47.6291, 72.4873, 35.9072



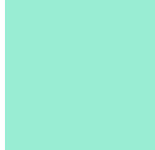
Protanomaly

56.8816, 70.4286, 32.7864



Deuteranomaly

59.8078, 69.7087, 41.7554



Tritanomaly

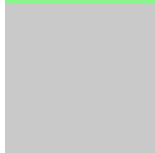
54.8659, 71.8969, 71.9585

Monochromacy



Original Color

47.6291, 72.4873, 35.9072



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

51.2088, 62.3050, 51.4466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6291, 72.4873, 35.9072 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(137, 245, 139)` looks like.

```
.text, #text, p{  
    color:rgb(137, 245, 139)  
}
```

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(137, 245, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 245, 139) }
```

Border

The CSS property to change the border of an element to XYZ 47.6291, 72.4873, 35.9072 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(137, 245, 139) }
```


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

```
.border{ border-color:rgb(137, 245, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 245, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 245, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 245, 139);  
box-shadow:4px 4px 4px 4px rgb(137, 245,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6291, 72.4873, 35.9072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 245, 139) }
```

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

```
.background{ background-color: rgb(137,  
245, 139) }
```

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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