

Converting Colors

XYZ(46.8570, 69.5329, 39.0805)

Have a look what the booklet for
XYZ(46.8570, 69.5329, 39.0805)
contains.

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Color

**XYZ(46.6930, 69.2744,
38.9273)**

Conversions

Conversions Part 1

Format	Color
Hex	8AEF94
RGB	138, 239, 148
RGB Percent	54%, 94%, 58%
CMY	0.4588, 0.0627, 0.4196
CMYK	0.42, 0.00, 0.38, 0.06
HSL	126°, 76%, 74%
HSV	126°, 42%, 94%
XYZ	46.6930, 69.2744, 38.9273
YIQ	198.4270, -30.9850, -49.7130

Conversions

Conversions Part 2

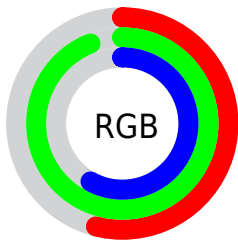
Format	Color
RYB	138, 230, 239
Decimal	9105300
CIELab	86.64, -47.89, 35.02
CIELCh	87, 59.325, 143.824
Yxy	69.2744, 0.3014, 0.4472
Android (android.graphics.Color)	4287295380 (0xFF8AEF94)
YUV	198.4270, -24.8605, -52.9945
Hunter-Lab	83.2312, -45.5156, 30.5319

Details

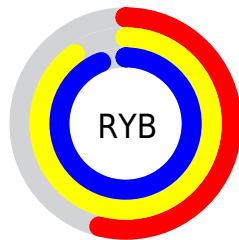
The XYZ color **46.6930, 69.2744, 38.9273** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **58.8301, 42.1861, 79.1730**, and the grayscale version is **54.0980, 56.9154, 61.9808**.

A 20% lighter version of the original color is **69.0452, 87.4339, 69.7373**, and **22.2326, 36.0498, 16.8529** is the 20% darker color. If you saturate the color by 10%, you get **41.6166, 66.8384, 30.6053**, and if you desaturate by 10%, it is **52.9600, 72.2916, 48.9631**.

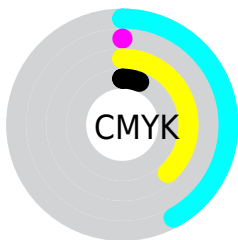
Distribution



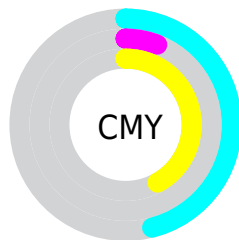
- Red (54%)
- Green (94%)
- Blue (58%)



- Red (54%)
- Yellow (90%)
- Blue (94%)



- Cyan (42%)
- Magenta (0%)
- Yellow (38%)
- Black (6%)





- Cyan (46%)
- Magenta (6%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6930, 69.2744, 38.9273 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 46.6930, 69.2744, 38.9273 by changing the saturation by 10% instead.


 46.6930, 69.2744,
38.9273


 46.6930, 69.2744,
38.9273


364.2572,
457.9982, 356.9980

 33.0000, 50.9352,
26.3958


 84.4767, 118.1734,
74.7464

 22.2856, 36.1571,
16.8915


 109.2981,
149.5020, 98.8710

 14.1847, 24.5555,
9.9961


138.5597,
185.9293, 127.6971

 8.3318, 15.7462,
5.2908

172.6267,
227.8395, 161.6431

 4.3616, 9.3447,
2.3572

211.8646,
275.6171, 201.1277

 1.9087, 4.9667,
0.7630


256.6388,

 0.5819, 2.2278,


329.6465, 246.5694


0.0000


307.3145,
390.3120, 298.3866


 0.0000, 0.7351,
0.0000


 0.0000, 0.0000,
0.0000

 46.6930, 69.2744,
38.9273


 46.6930, 69.2744,
38.9273


 41.6166, 66.8384,
30.6053


 52.9600, 72.2916,
48.9631


 37.6503, 64.9380,
23.8970

 60.4812, 75.9147,
60.7960

 34.7118, 63.5352,
18.6991

 69.3215, 80.1777,
74.5097

 32.7050, 62.5828,
14.8944

 79.5404, 85.1094,
90.1812

■ 31.5155, 62.0247,
12.3483

■ 90.1579, 90.2157,
107.2693

■ 31.0293, 61.8003,
11.1393

Harmonies

Analogous

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



55.7131, 69.2744, 25.1393



46.6930, 69.2744, 38.9273



42.8641, 69.2744, 67.5580

Triad

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



46.6930, 69.2744, 38.9273



63.0346, 69.2744, 178.7751



93.1677, 69.2744, 48.7483

Complementary

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



46.6930, 69.2744, 38.9273



58.8301, 42.1861, 79.1730

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.



95.8439, 69.2744, 83.8867



46.6930, 69.2744, 38.9273



77.1324, 69.2744, 168.2793

Square

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



46.6930, 69.2744, 38.9273



51.4134, 69.2744, 154.7267



89.6222, 69.2744, 129.6494



82.7481, 69.2744, 29.2698

Rectangle

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



46.6930, 69.2744, 38.9273



43.3266, 69.2744, 95.0447



89.6222, 69.2744, 129.6494



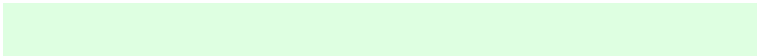
95.0580, 69.2744, 58.7153

Sweetspot

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



46.6948, 69.2773, 38.9288



79.4470, 92.4694, 84.9901



68.2775, 80.4911, 35.9828



16.4963, 19.5469, 17.4054



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.



46.6948, 69.2773, 38.9288



48.7851, 77.7062, 36.4071



51.4181, 71.1666, 63.8017



15.6295, 17.6818, 17.0718



17.1682, 34.1593, 6.2686



1.4495, 2.8502, 0.6333

Inverse Universe

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



58.8301, 42.1861, 79.1730



64.6126, 42.3327, 88.8661



52.9338, 39.8275, 48.1234



16.3829, 16.0029, 19.5723



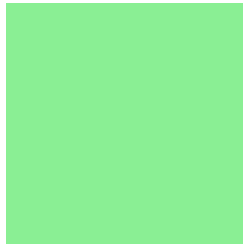
26.5012, 12.8729, 36.8857



2.2240, 1.0787, 3.1706

Previews

White Background



This preview shows how the XYZ color 46.6930, 69.2744, 38.9273 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 46.6930, 69.2744, 38.9273 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 46.6930, 69.2744, 38.9273

Background



This preview shows how black text looks on a background with the XYZ color 46.6930, 69.2744, 38.9273.

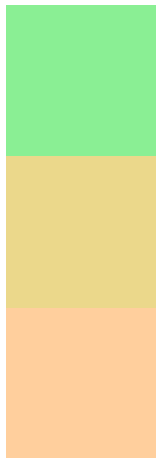


This preview shows how white text looks on a background with the XYZ color 46.6930, 69.2744,

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

46.6930, 69.2744, 38.9273

Protanopia

63.4770, 68.6380, 34.3290

Deuteranopia

69.6386, 68.3200, 41.4150



Tritanopia

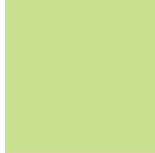
58.2042, 68.8611, 97.4126

Trichromacy



Original Color

46.6930, 69.2744, 38.9273



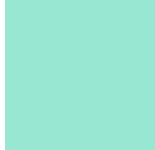
Protanomaly

55.3576, 67.5437, 35.7108



Deuteranomaly

58.3156, 66.9932, 40.4293



Tritanomaly

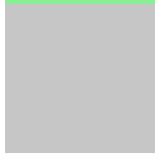
52.9713, 68.3843, 71.3804

Monochromacy



Original Color

46.6930, 69.2744, 38.9273



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.9370, 60.1139, 52.1512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6930, 69.2744, 38.9273 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(138, 239, 148)` looks like.

```
.text, #text, p{  
    color:rgb(138, 239, 148)  
}
```

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(138, 239, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 239, 148) }
```

Border

The CSS property to change the border of an element to XYZ 46.6930, 69.2744, 38.9273 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(138, 239, 148) }
```


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

```
.border{ border-color:rgb(138, 239, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 239, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 239, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 239, 148);  
box-shadow:4px 4px 4px 4px rgb(138, 239,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6930, 69.2744, 38.9273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 239, 148) }
```

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

```
.background{ background-color: rgb(138,  
239, 148) }
```

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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