

Converting Colors

XYZ(46.5320, 67.2906, 42.7797)

Have a look what the booklet for
XYZ(46.5320, 67.2906, 42.7797)
contains.

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Color

**XYZ(46.6951, 67.4607,
42.9079)**

Conversions

Conversions Part 1

Format	Color
Hex	8CEB9E
RGB	140, 235, 158
RGB Percent	55%, 92%, 62%
CMY	0.4510, 0.0784, 0.3804
CMYK	0.40, 0.00, 0.33, 0.08
HSL	131°, 70%, 74%
HSV	131°, 40%, 92%
XYZ	46.6951, 67.4607, 42.9079
YIQ	197.8170, -31.9030, -44.0870

Conversions

Conversions Part 2

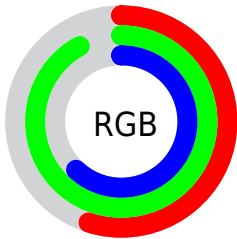
Format	Color
RYB	140, 220, 235
Decimal	9235358
CIELab	85.74, -43.99, 28.78
CIELCh	86, 52.564, 146.806
Yxy	67.4607, 0.2973, 0.4295
Android (android.graphics.Color)	4287425438 (0xFF8CEB9E)
YUV	197.8170, -19.6298, -50.7055
Hunter-Lab	82.1345, -42.2545, 26.5204

Details

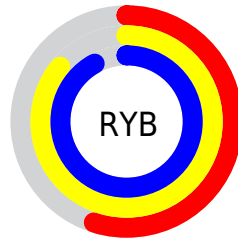
The XYZ color **46.6951, 67.4607, 42.9079** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **56.1656, 41.4295, 70.6845**, and the grayscale version is **53.6961, 56.4925, 61.5203**.

A 20% lighter version of the original color is **70.7962, 88.1944, 76.2427**, and **22.3778, 35.1656, 19.2439** is the 20% darker color. If you saturate the color by 10%, you get **41.6358, 65.0294, 34.7663**, and if you desaturate by 10%, it is **52.8577, 70.4352, 52.4306**.

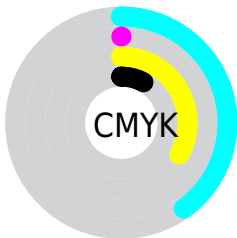
Distribution



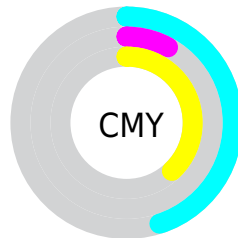
- Red (55%)
- Green (92%)
- Blue (62%)



- Red (55%)
- Yellow (86%)
- Blue (92%)



- Cyan (40%)
- Magenta (0%)
- Yellow (33%)
- Black (8%)



- Cyan (45%)
- Magenta (8%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6951, 67.4607, 42.9079 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 46.6951, 67.4607, 42.9079 by changing the saturation by 10% instead.

46.6951, 67.4607,
42.9079

46.6951, 67.4607,
42.9079

364.2654,
451.5829, 374.1430

33.0016, 49.4591,
29.4820

84.4798, 115.5803,
80.8567

22.2869, 34.9838,
19.1970

109.3018,
146.4671, 106.2167

14.1857, 23.6504,
11.6345

138.5640,
182.4178, 136.3918

8.3325, 15.0745,
6.3758

172.6317,
223.8167, 171.8006

4.3620, 8.8717,
3.0025

211.8704,
271.0483, 212.8615

1.9089, 4.6576,
1.0959


256.6453,

0.5820, 2.0478,


324.4969, 259.9932


0.0000


307.3219,
384.5470, 313.6142


 0.0000, 0.6350,
0.0000


 0.0000, 0.0000,
0.0000


 46.6951, 67.4607,
42.9079


 46.6951, 67.4607,
42.9079


 41.6358, 65.0294,
34.7663

 52.8577, 70.4352,
52.4306


 37.6084, 63.1002,
27.9371


 60.1786, 73.9743,
63.3896


 34.5416, 61.6396,
22.3530

 68.7158, 78.1086,
75.8427


 32.3522, 60.6064,
17.9382

 78.5214, 82.8638,
89.8431

 30.9422, 59.9518,
14.6092

 88.7176, 87.7864,
105.3982

 30.1742, 59.6051,
12.3498

 88.9996, 87.8992,
106.8832

Harmonies

Analogous

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



54.2730, 67.4607, 28.8734



46.6951, 67.4607, 42.9079



43.7431, 67.4607, 69.8354

Triad

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



46.6951, 67.4607, 42.9079



62.8434, 67.4607, 161.0798



86.9792, 67.4607, 47.5165

Complementary

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



46.6951, 67.4607, 42.9079



56.1656, 41.4295, 70.6845

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.



90.0061, 67.4607, 77.1939



46.6951, 67.4607, 42.9079



75.0899, 67.4607, 149.5609

Square

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



46.6951, 67.4607, 42.9079



52.3064, 67.4607, 143.7283



85.4145, 67.4607, 115.8607



77.5891, 67.4607, 30.8928

Rectangle

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



46.6951, 67.4607, 42.9079



44.4827, 67.4607, 94.2484



85.4145, 67.4607, 115.8607



88.8216, 67.4607, 55.9667

Sweetspot

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



46.6968, 67.4635, 42.9094



80.9354, 93.1556, 88.7239



63.2335, 76.1546, 36.1781



17.0235, 19.7938, 18.5556



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.



46.6968, 67.4635, 42.9094



50.7835, 78.5937, 42.9455



51.5349, 69.3987, 68.3862



14.9849, 16.9088, 16.6035



16.8272, 33.1853, 7.0551



1.3539, 2.6189, 0.7255

Inverse Universe

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



56.1656, 41.4295, 70.6845



63.6990, 43.0265, 80.7897



50.9045, 39.3251, 42.9803



15.5853, 15.2620, 18.3674



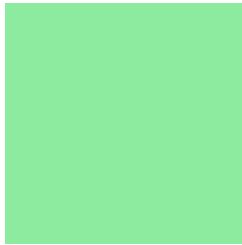
24.3143, 11.9284, 28.5199



1.9408, 0.9493, 2.4054

Previews

White Background



This preview shows how the XYZ color 46.6951, 67.4607, 42.9079 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 46.6951, 67.4607, 42.9079 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 46.6951, 67.4607, 42.9079

Background



This preview shows how black text looks on a background with the XYZ color 46.6951, 67.4607, 42.9079.



This preview shows how white text looks on a background with the XYZ color 46.6951, 67.4607,

42.9079.

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

46.6951, 67.4607, 42.9079

Protanopia

61.8522, 66.5814, 38.0253

Deuteranopia

68.0472, 66.7032, 44.8859



Tritanopia

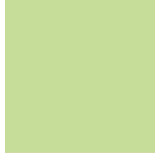
56.7832, 66.9912, 93.9422

Trichromacy



Original Color

46.6951, 67.4607, 42.9079



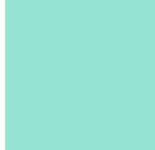
Protanomaly

54.5499, 65.8502, 39.5410



Deuteranomaly

57.6558, 65.4220, 43.7713



Tritanomaly

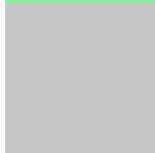
52.2638, 66.7693, 71.7612

Monochromacy



Original Color

46.6951, 67.4607, 42.9079



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.9730, 59.3545, 53.6225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6951, 67.4607, 42.9079 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(140, 235, 158)` looks like.

```
.text, #text, p{  
    color:rgb(140, 235, 158)  
}
```

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(140, 235, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 235, 158) }
```

Border

The CSS property to change the border of an element to XYZ 46.6951, 67.4607, 42.9079 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(140, 235, 158) }
```


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

```
.border{ border-color:rgb(140, 235, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 235, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 235, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 235, 158);  
box-shadow:4px 4px 4px 4px rgb(140, 235,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6951, 67.4607, 42.9079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 235, 158) }
```

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

```
.background{ background-color: rgb(140,  
235, 158) }
```

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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