

Converting Colors

XYZ(46.2101, 67.5226, 48.1338)

Have a look what the booklet for
XYZ(46.2101, 67.5226, 48.1338)
contains.

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Color

**XYZ(46.2101, 67.5226,
48.1338)**

Conversions

Conversions Part 1

Format	Color
Hex	81ECA9
RGB	129, 236, 169
RGB Percent	51%, 93%, 66%
CMY	0.4941, 0.0745, 0.3372
CMYK	0.45, 0.00, 0.28, 0.07
HSL	142°, 74%, 72%
HSV	142°, 45%, 93%
XYZ	46.2101, 67.5226, 48.1338
YIQ	196.3690, -42.2650, -43.5210

Conversions

Conversions Part 2

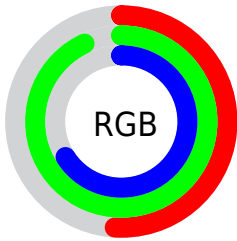
Format	Color
RYB	129, 207, 236
Decimal	8514729
CIELab	85.77, -45.49, 23.10
CIElCh	86, 51.022, 153.075
Yxy	67.5226, 0.2855, 0.4171
Android (android.graphics.Color)	4286704809 (0xFF81ECA9)
YUV	196.3690, -13.4929, -59.0826
Hunter-Lab	82.1721, -43.4205, 22.7903

Details

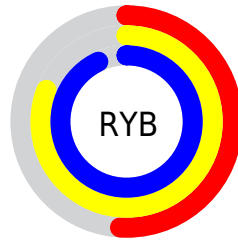
The XYZ color **46.2101, 67.5226, 48.1338** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.4082, 37.5202, 56.7067**, and the grayscale version is **52.7890, 55.5382, 60.4811**.

A 20% lighter version of the original color is **69.4642, 87.3409, 83.7183**, and **21.9295, 34.8641, 22.4033** is the 20% darker color. If you saturate the color by 10%, you get **41.7211, 65.3616, 41.0871**, and if you desaturate by 10%, it is **51.6873, 70.1786, 56.0483**.

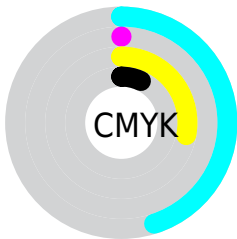
Distribution



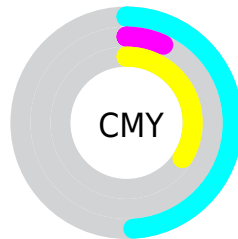
- Red (51%)
- Green (93%)
- Blue (66%)



- Red (51%)
- Yellow (81%)
- Blue (93%)



- Cyan (45%)
- Magenta (0%)
- Yellow (28%)
- Black (7%)





- Cyan (49%)
- Magenta (7%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2101, 67.5226, 48.1338 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 46.2101, 67.5226, 48.1338 by changing the saturation by 10% instead.


 46.2101, 67.5226,
48.1338


 46.2101, 67.5226,
48.1338


362.3545,
451.8027, 395.8462


 32.6170, 49.5094,
33.5721


 83.7593, 115.6689,
88.7712

 21.9910, 35.0238,
22.2904

 108.4460,
146.5709, 115.6840

 13.9669, 23.6812,
13.8701


 137.5614,
182.5379, 147.5509

 8.1792, 15.0973,
7.8926

171.4707,
223.9544, 184.7905

 4.2626, 8.8877,
3.9395

210.5393,
271.2047, 227.8213

 1.8517, 4.6680,
1.5922

255.1326,

 0.5485, 2.0538,

324.6733, 277.0618

0.2853

305.6158,
384.7445, 332.9306

■ 0.0000, 0.6385,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.2101, 67.5226,
48.1338

■ 46.2101, 67.5226,
48.1338

■ 41.7211, 65.3616,
41.0871

■ 51.6873, 70.1786,
56.0483

■ 38.1520, 63.6555,
34.8734


■ 58.2046, 73.3502,
64.8545

■ 35.4338, 62.3712,
29.4625


■ 65.8165, 77.0669,
74.5812

■ 33.4849, 61.4672,
24.8202

■ 74.5720, 81.3534,
85.2542

 32.2054, 60.8929,
20.9095

 84.5172, 86.2328,
96.8985

 31.7675, 60.7018,
19.3238

 89.2867, 88.4735,
106.9789

Harmonies

Analogous

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



52.7160, 67.5226, 31.8083



46.2101, 67.5226, 48.1338



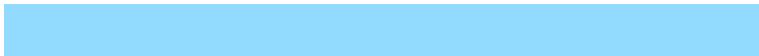
44.3123, 67.5226, 77.0147

Triad

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



46.2101, 67.5226, 48.1338



65.3869, 67.5226, 157.9628



84.8328, 67.5226, 43.7796

Complementary

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



46.2101, 67.5226, 48.1338



52.4082, 37.5202, 56.7067

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.



89.2389, 67.5226, 70.1339



46.2101, 67.5226, 48.1338



77.1920, 67.5226, 141.4251

Square

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



46.2101, 67.5226, 48.1338



54.5619, 67.5226, 146.8130



86.2878, 67.5226, 106.5563



74.8628, 67.5226, 29.8807

Rectangle

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



46.2101, 67.5226, 48.1338



45.7011, 67.5226, 101.6317



86.2878, 67.5226, 106.5563



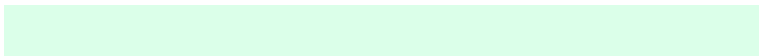
87.0649, 67.5226, 51.1393

Sweetspot

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



46.2119, 67.5254, 48.1353



79.7212, 92.4896, 90.4762



56.9251, 73.4178, 31.9402



16.6103, 19.5749, 18.8009



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.



46.2119, 67.5254, 48.1353



50.2769, 78.1789, 49.8662



52.1999, 69.9206, 79.6676



15.1012, 16.9553, 17.2158



17.5677, 33.4816, 10.9547



1.4248, 2.6472, 1.0986

Inverse Universe

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



52.4082, 37.5202, 56.7067



58.4783, 38.3894, 61.1555



47.4223, 35.5259, 30.4512



15.4622, 15.2127, 17.7191



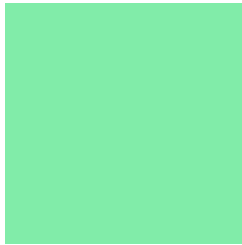
22.0692, 11.0304, 16.6976



1.7793, 0.8847, 1.5552

Previews

White Background



This preview shows how the XYZ color 46.2101, 67.5226, 48.1338 looks on a white background.

Color Contrast Check

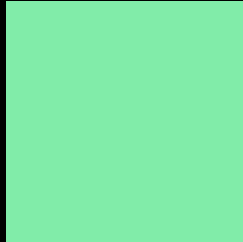
Large Text (above 18pt) WCAG AA × Fail

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 46.2101, 67.5226, 48.1338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

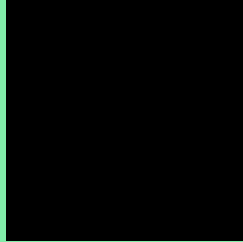
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2101, 67.5226, 48.1338

Background



This preview shows how black text looks on a background with the XYZ color 46.2101, 67.5226, 48.1338.

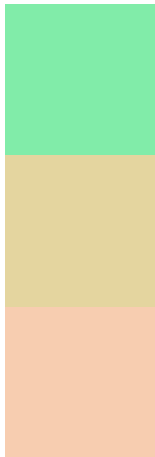


This preview shows how white text looks on a background with the XYZ color 46.2101, 67.5226,

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

46.2101, 67.5226, 48.1338

Protanopia

62.0472, 66.5857, 42.3830

Deuteranopia

68.0256, 66.5714, 50.3385



Tritanopia

55.5581, 67.1274, 95.6166

Trichromacy



Original Color

46.2101, 67.5226, 48.1338



Protanomaly

54.2055, 65.5637, 44.4485



Deuteranomaly

57.0005, 64.9662, 49.0707



Tritanomaly

51.6364, 67.1788, 75.8909

Monochromacy



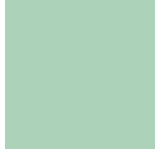
Original Color

46.2101, 67.5226, 48.1338



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

49.1704, 58.9044, 55.2325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2101, 67.5226, 48.1338 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(129, 236, 169)` looks like.

```
.text, #text, p{  
    color:rgb(129, 236, 169)  
}
```

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(129, 236, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 236, 169) }
```

Border

The CSS property to change the border of an element to XYZ 46.2101, 67.5226, 48.1338 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(129, 236, 169) }
```


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

```
.border{ border-color:rgb(129, 236, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 236, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 236, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 236, 169);  
box-shadow:4px 4px 4px 4px rgb(129, 236,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2101, 67.5226, 48.1338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 236, 169) }
```

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

```
.background{ background-color: rgb(129,  
236, 169) }
```

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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