

Converting Colors

XYZ(42.7674, 64.6836, 28.9875)

Have a look what the booklet for
XYZ(42.7674, 64.6836, 28.9875)
contains.

XYZ(42.8674, 64.9421, 29.0146)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.8674, 64.9421,
29.0146)**

Conversions

Conversions Part 1

Format	Color
Hex	88E97B
RGB	136, 233, 123
RGB Percent	53%, 91%, 48%
CMY	0.4667, 0.0863, 0.5176
CMYK	0.42, 0.00, 0.47, 0.09
HSL	113°, 71%, 70%
HSV	113°, 47%, 91%
XYZ	42.8674, 64.9421, 29.0146
YIQ	191.4570, -22.5020, -54.7740

Conversions

Conversions Part 2

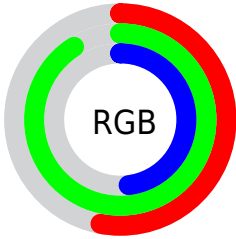
Format	Color
RYB	123, 233, 220
Decimal	8972667
CIELab	84.45, -49.55, 44.50
CIELCh	84, 66.595, 138.076
Yxy	64.9421, 0.3133, 0.4746
Android (android.graphics.Color)	4287162747 (0xFF88E97B)
YUV	191.4570, -33.7493, -48.6358
Hunter-Lab	80.5867, -46.0751, 35.0638

Details

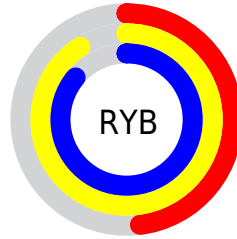
The XYZ color **42.8674, 64.9421, 29.0146** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **51.3092, 35.2668, 81.1971**, and the grayscale version is **49.9875, 52.5908, 57.2714**.

A 20% lighter version of the original color is **65.9439, 86.1637, 54.7506**, and **20.0839, 33.5615, 11.3807** is the 20% darker color. If you saturate the color by 10%, you get **38.5561, 62.8704, 22.0843**, and if you desaturate by 10%, it is **48.1688, 67.4879, 37.8058**.

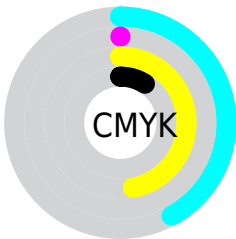
Distribution



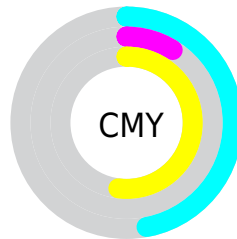
- Red (53%)
- Green (91%)
- Blue (48%)



- Red (48%)
- Yellow (91%)
- Blue (86%)



- Cyan (42%)
- Magenta (0%)
- Yellow (47%)
- Black (9%)



- Cyan (47%)
- Magenta (9%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8674, 64.9421, 29.0146 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 42.8674, 64.9421, 29.0146 by changing the saturation by 10% instead.

42.8674, 64.9421,
29.0146

42.8674, 64.9421,
29.0146

348.9969,
442.5839, 311.3469

29.9752, 47.4141,
18.8462

78.7677, 111.9666,
59.1427

19.9677, 33.3632,
11.3835

102.5064,
142.2319, 79.9396

12.4797, 22.4048,
6.2080

130.5914,
177.5119, 105.1163

7.1458, 14.1546,
2.9011

163.3879,
218.1907, 135.0914

3.6006, 8.2283,
1.0444

201.2614,
264.6530, 170.2835

1.4787, 4.2414,
0.0000

244.5772,

0.3113, 1.8095,

317.2830, 211.1111

0.0000

293.7006,
376.4652, 257.9927

■ 0.0000, 0.4931,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.8674, 64.9421,
29.0146

■ 42.8674, 64.9421,
29.0146

■ 38.5561, 62.8704,
22.0843

■ 48.1688, 67.4879,
37.8058

■ 35.1683, 61.2357,
16.8771


■ 54.5117, 70.5260,
48.5739


■ 32.6369, 60.0085,
13.2431


■ 61.9498, 74.0836,
61.4306


■ 30.8832, 59.1522,
11.0048

■ 70.5316, 78.1836,
76.4782

 29.8115, 58.6224,
9.9307

 80.3029, 82.8473,
93.8120

 29.6064, 58.5207,
9.7352

 88.4302, 86.7604,
106.6934

Harmonies

Analogous

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



53.3036, 64.9421, 18.0600



42.8674, 64.9421, 29.0146



37.8424, 64.9421, 55.1615

Triad

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



42.8674, 64.9421, 29.0146



56.0260, 64.9421, 184.3068



92.9522, 64.9421, 48.3019

Complementary

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



42.8674, 64.9421, 29.0146



51.3092, 35.2668, 81.1971

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.



93.9955, 64.9421, 88.9381



42.8674, 64.9421, 29.0146



70.9909, 64.9421, 180.0490

Square

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



42.8674, 64.9421, 29.0146



44.5848, 64.9421, 150.4167



85.4335, 64.9421, 140.4092



82.7772, 64.9421, 25.7291

Rectangle

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



42.8674, 64.9421, 29.0146



37.6033, 64.9421, 82.8000



85.4335, 64.9421, 140.4092



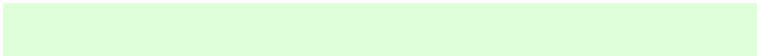
94.4357, 64.9421, 59.8598

Sweetspot

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



42.8690, 64.9448, 29.0160



79.1771, 92.4207, 80.8910



62.3402, 69.0727, 28.7865



16.4779, 19.5576, 16.4945



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.



42.8690, 64.9448, 29.0160



47.2817, 77.1367, 27.0490



43.9501, 65.1480, 45.0672



15.0336, 16.9474, 15.9975



16.8517, 33.2318, 5.5262



1.3775, 2.6375, 0.4365

Inverse Universe

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



51.3092, 35.2668, 81.1971



58.7896, 36.4434, 98.5435



50.2780, 35.3266, 54.4284



15.5294, 15.2182, 19.0412



22.7744, 10.7765, 44.6227



1.8379, 0.8718, 3.5063

Previews

White Background



This preview shows how the XYZ color 42.8674, 64.9421, 29.0146 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 42.8674, 64.9421, 29.0146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

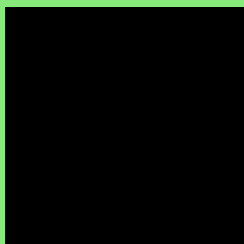
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8674, 64.9421, 29.0146

Background



This preview shows how black text looks on a background with the XYZ color 42.8674, 64.9421, 29.0146.

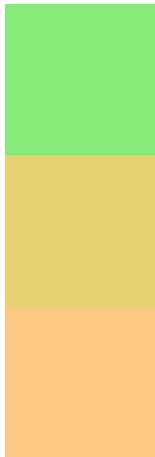


This preview shows how white text looks on a background with the XYZ color 42.8674, 64.9421,

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

42.8674, 64.9421, 29.0146

Protanopia

59.0961, 64.3199, 25.5199

Deuteranopia

65.2590, 63.8299, 30.3536



Tritanopia

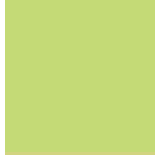
55.1264, 64.6285, 90.4580

Trichromacy



Original Color

42.8674, 64.9421, 29.0146



Protanomaly

51.1064, 63.1866, 26.6422



Deuteranomaly

54.0181, 62.3471, 29.6092



Tritanomaly

49.4667, 64.3200, 62.0324

Monochromacy



Original Color

42.8674, 64.9421, 29.0146



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

45.7488, 55.5537, 44.3881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8674, 64.9421, 29.0146 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(136, 233, 123)` looks like.

```
.text, #text, p{  
    color:rgb(136, 233, 123)  
}
```

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(136, 233, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 233, 123) }
```

Border

The CSS property to change the border of an element to XYZ 42.8674, 64.9421, 29.0146 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(136, 233, 123) }
```


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

```
.border{ border-color:rgb(136, 233, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 233, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 233, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 233, 123);  
box-shadow:4px 4px 4px 4px rgb(136, 233,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8674, 64.9421, 29.0146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 233, 123) }
```

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

```
.background{ background-color: rgb(136,  
233, 123) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor