

Converting Colors

XYZ(42.9727, 74.8735, 28.7400)

Have a look what the booklet for
XYZ(42.9727, 74.8735, 28.7400)
contains.

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Color

**XYZ(42.9369, 74.8557,
28.7086)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 58FF74 |
| RGB | 88, 255, 116 |
| RGB Percent | 35%, 100%, 45% |
| CMY | 0.6549, 0.0000, 0.5451 |
| CMYK | 0.65, 0.00, 0.55, 0.00 |
| HSL | 130°, 100%, 67% |
| HSV | 130°, 65%, 100% |
| XYZ | 42.9369, 74.8557, 28.7086 |
| YIQ | 189.2210, -54.9130, -78.6330 |

Conversions

Conversions Part 2

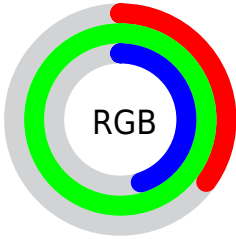
| Format | Color |
|-------------------------------------|--|
| RYB | 88, 231, 255 |
| Decimal | 5832564 |
| CIELab | 89.33, -70.34, 53.35 |
| CIELCh | 89, 88.282, 142.822 |
| Yxy | 74.8557, 0.2931, 0.5110 |
| Android (android.graphics.Color) | 4284022644 (0xFF58FF74) |
| YUV | 189.2210, -36.0980, -88.7708 |
| Hunter-Lab | 86.5192, -62.8243, 40.8900 |

Details

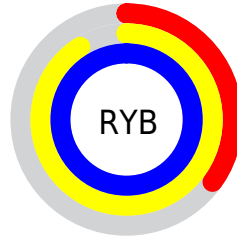
The XYZ color **42.9369, 74.8557, 28.7086** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted spring green. A complement of this color would be **58.5946, 33.7856, 76.1041**, and the grayscale version is **48.7192, 51.2563, 55.8182**.

A 20% lighter version of the original color is **56.4371, 81.3303, 51.2518**, and **20.8358, 40.2803, 11.2341** is the 20% darker color. If you saturate the color by 10%, you get **39.8338, 73.3826, 22.8389**, and if you desaturate by 10%, it is **47.1665, 76.8767, 36.1055**.

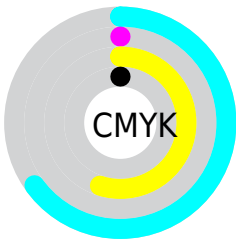
Distribution



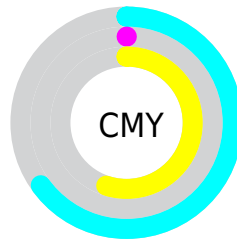
- Red (35%)
- Green (100%)
- Blue (45%)



- Red (35%)
- Yellow (91%)
- Blue (100%)



- Cyan (65%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (65%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9369, 74.8557, 28.7086 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 42.9369, 74.8557, 28.7086 by changing the saturation by 10% instead.


 42.9369, 74.8557,
28.7086

 42.9369, 74.8557,
28.7086


349.2781,
477.4214, 309.8554


 30.0299, 55.4947,
18.6168


 78.8719, 126.1081,
58.6504


 20.0095, 39.7979,
11.2197


 102.6307,
158.7682, 79.3376

 12.5102, 27.3810,
6.0988


 130.7374,
196.6302, 104.3936

 7.1668, 17.8596,
2.8355

 163.5575,
240.0784, 134.2370

 3.6139, 10.8492,
1.0113

201.4562,
289.4973, 169.2863

 1.4861, 5.9655,
0.0000

244.7990,

 0.3164, 2.8241,

345.2711, 209.9601

0.0000

293.9512,
407.7844, 256.6769

0.0000, 1.0406,
0.0000

0.0000, 0.0000,
0.0000

42.9369, 74.8557,
28.7086

42.9369, 74.8557,
28.7086

39.8338, 73.3826,
22.8389

47.1665, 76.8767,
36.1055

37.7441, 72.4018,
18.3860

52.6182, 79.4933,
45.1227

36.5321, 71.8455,
15.2303

59.3788, 82.7481,
55.8497

36.1916, 71.6927,
14.1930

67.5264, 86.6797,
68.3688

■ 77.1333, 91.3237,
82.7566

■ 88.2664, 96.7131,
99.0857

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



56.2330, 74.8557, 13.7023



42.9369, 74.8557, 28.7086



37.4015, 74.8557, 67.5357

Triad

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



42.9369, 74.8557, 28.7086



66.0867, 74.8557, 265.4760



116.6715, 74.8557, 43.5466

Complementary

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



42.9369, 74.8557, 28.7086



58.5946, 33.7856, 76.1041

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.



120.7850, 74.8557, 97.2792



42.9369, 74.8557, 28.7086



88.4917, 74.8557, 247.4973

Square

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



42.9369, 74.8557, 28.7086



48.8981, 74.8557, 217.6385



109.6069, 74.8557, 176.5072



99.2929, 74.8557, 18.7430

Rectangle

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



42.9369, 74.8557, 28.7086



37.8657, 74.8557, 110.8332



109.6069, 74.8557, 176.5072



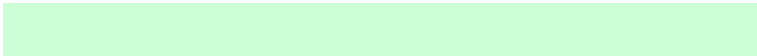
119.7779, 74.8557, 57.8691

Sweetspot

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



42.9372, 74.8558, 28.7098



72.6152, 89.1387, 76.0312



69.2527, 88.5826, 22.6810



14.9730, 18.8040, 15.4188



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.



42.9372, 74.8558, 28.7098



38.9911, 72.9854, 21.1201



50.1322, 77.7338, 66.5981



17.8958, 20.2179, 19.7543



18.9470, 37.4754, 7.6063



1.8780, 3.6621, 0.9151

Inverse Universe

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



58.5946, 33.7856, 76.1041



55.6189, 29.0889, 71.2440



49.7385, 30.2431, 29.4685



18.6542, 18.2450, 22.0620



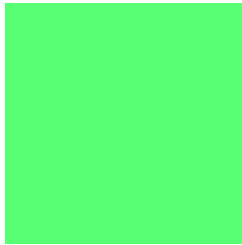
27.8225, 13.6183, 34.0454



2.7421, 1.3392, 3.4894

Previews

White Background



This preview shows how the XYZ color 42.9369, 74.8557, 28.7086 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 42.9369, 74.8557, 28.7086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

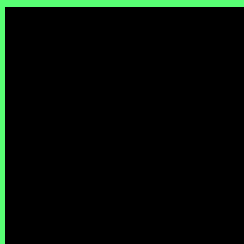
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

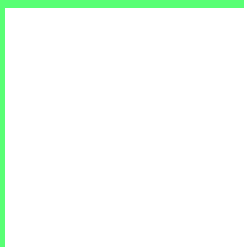
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.9369, 74.8557, 28.7086

Background



This preview shows how black text looks on a background with the XYZ color 42.9369, 74.8557, 28.7086.

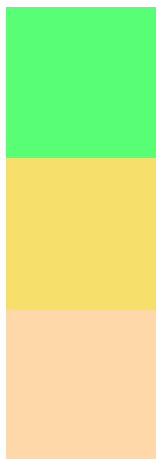


This preview shows how white text looks on a background with the XYZ color 42.9369, 74.8557,

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

42.9369, 74.8557, 28.7086

Protanopia

66.9952, 73.4088, 24.2740

Deuteranopia

72.9573, 73.2363, 47.8269



Tritanopia

60.1261, 74.2984, 105.7798

Trichromacy



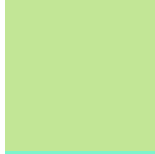
Original Color

42.9369, 74.8557, 28.7086



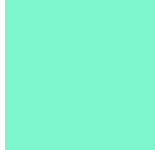
Protanomaly

53.5091, 71.3613, 25.7057



Deuteranomaly

56.0500, 70.2650, 39.4625



Tritanomaly

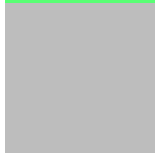
51.5619, 73.3461, 68.5664

Monochromacy



Original Color

42.9369, 74.8557, 28.7086



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

43.2647, 56.8725, 42.8796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9369, 74.8557, 28.7086 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(88, 255, 116)` looks like.

```
.text, #text, p{  
    color:rgb(88, 255, 116)  
}
```

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(88, 255, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 255, 116) }
```

Border

The CSS property to change the border of an element to XYZ 42.9369, 74.8557, 28.7086 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(88, 255, 116) }
```


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

```
.border{ border-color:rgb(88, 255, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 255, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 255, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 255, 116);  
box-shadow:4px 4px 4px 4px rgb(88, 255,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9369, 74.8557, 28.7086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 255, 116) }
```

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

```
.background{ background-color: rgb(88, 255,  
116) }
```

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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