

Converting Colors

XYZ(41.9864, 68.2052, 13.8822)

Have a look what the booklet for
XYZ(41.9864, 68.2052, 13.8822)
contains.

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Color

**XYZ(42.0013, 68.2832,
13.8720)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 87F131 |
| RGB | 135, 241, 49 |
| RGB Percent | 53%, 95%, 19% |
| CMY | 0.4706, 0.0549, 0.8078 |
| CMYK | 0.44, 0.00, 0.80, 0.05 |
| HSL | 93°, 87%, 57% |
| HSV | 93°, 80%, 95% |
| XYZ | 42.0013, 68.2832, 13.8720 |
| YIQ | 187.4180, -1.5440, -82.1840 |

Conversions

Conversions Part 2

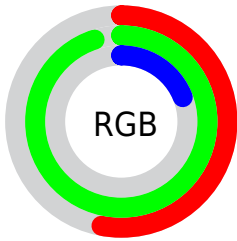
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 49, 241, 155 |
| Decimal | 8909105 |
| CIELab | 86.15, -59.45, 75.48 |
| CIELCh | 86, 96.081, 128.225 |
| Yxy | 68.2832, 0.3383, 0.5500 |
| Android (android.graphics.Color) | 4287099185 (0xFF87F131) |
| YUV | 187.4180, -68.2401, -45.9706 |
| Hunter-Lab | 82.6336, -53.8803, 47.8903 |

Details

The XYZ color **42.0013, 68.2832, 13.8720** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **30.4969, 15.5185, 84.6109**, and the grayscale version is **47.8469, 50.3387, 54.8188**.

A 20% lighter version of the original color is **61.1349, 84.2698, 28.0825**, and **19.8130, 35.6587, 5.8386** is the 20% darker color. If you saturate the color by 10%, you get **39.6139, 67.0985, 11.7780**, and if you desaturate by 10%, it is **44.9311, 69.7204, 17.4117**.

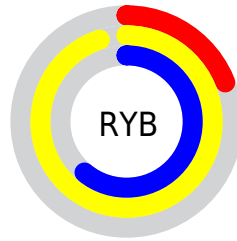
Distribution



Red (53%)

Green (95%)

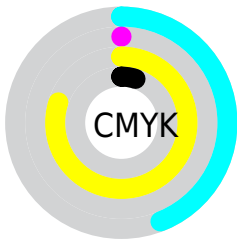
Blue (19%)



Red (19%)

Yellow (95%)

Blue (61%)

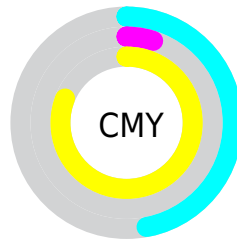


Cyan (44%)

Magenta (0%)

Yellow (80%)

Black (5%)



Cyan (47%)


Magenta (5%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0013, 68.2832, 13.8720 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 42.0013, 68.2832, 13.8720 by changing the saturation by 10% instead.


 42.0013, 68.2832,
13.8720

 42.0013, 68.2832,
13.8720


345.4799,
454.4988, 227.8338

 29.2934, 50.1282,
7.8940


 77.4667, 116.7572,
33.5756


 19.4483, 35.5152,
3.9404


 100.9550,
147.8449, 48.1382


 12.1006, 24.0600,
1.5927


 128.7675,
184.0124, 66.3995

 6.8849, 15.3782,
0.2856

 161.2695,
225.6439, 88.7779

 3.4359, 9.0852,
0.0000

 198.8263,
273.1239, 115.6919

 1.3883, 4.7968,
0.0000

241.8035,

 0.2478, 2.1285,

326.8368, 147.5603

0.0000

290.5662,
387.1669, 184.8013

0.0000, 0.6806,
0.0000

0.0000, 0.0000,
0.0000

42.0013, 68.2832,
13.8720

42.0013, 68.2832,
13.8720

39.6139, 67.0985,
11.7780

44.9311, 69.7204,
17.4117


37.6926, 66.1277,
10.8005


48.4459, 71.4213,
22.5930


37.6338, 66.0979,
10.7747


52.5880, 73.4061,
29.5863


57.3939, 75.6905,
38.5393

 62.8969, 78.2886,
49.5846

 69.1276, 81.2137,
62.8431

 76.1148, 84.4780,
78.4268

 83.8854, 88.0933,
96.4396

 90.6576, 91.3475,
107.4614

Harmonies

Analogous

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



59.0105, 68.2832, 7.2395



42.0013, 68.2832, 13.8720



32.9001, 68.2832, 37.7278

Triad

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



42.0013, 68.2832, 13.8720



50.3810, 68.2832, 254.2683



116.6886, 68.2832, 58.2639

Complementary

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



42.0013, 68.2832, 13.8720



30.4969, 15.5185, 84.6109

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.



112.8942, 68.2832, 129.2407



42.0013, 68.2832, 13.8720



71.1713, 68.2832, 271.5113

Square

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



42.0013, 68.2832, 13.8720



36.9179, 68.2832, 177.9166



94.9005, 68.2832, 216.7645



104.3287, 68.2832, 21.6126

Rectangle

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



42.0013, 68.2832, 13.8720



31.0225, 68.2832, 70.6431



94.9005, 68.2832, 216.7645



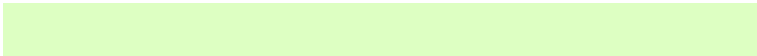
117.3058, 68.2832, 78.1819

Sweetspot

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



42.0029, 68.2861, 13.8735



75.3579, 90.8112, 64.4778



48.4879, 42.2355, 8.5034



15.5957, 19.1865, 12.6718



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.



42.0029, 68.2861, 13.8735



43.5395, 75.5240, 12.5757



33.5031, 63.8784, 14.6486



16.2381, 18.0029, 16.7688



20.5572, 35.9192, 5.8496



1.8230, 3.0463, 0.4919

Inverse Universe

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



30.4969, 15.5185, 84.6109



29.9013, 13.4939, 95.6364



51.8571, 26.6914, 78.3204



15.7317, 15.6589, 19.9149



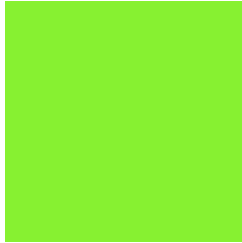
14.0182, 6.2320, 45.5919



1.2806, 0.5774, 3.7982

Previews

White Background



This preview shows how the XYZ color 42.0013, 68.2832, 13.8720 looks on a white background.

Color Contrast Check

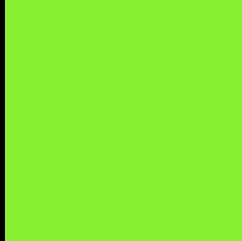
Large Text (above 18pt) WCAG AA × Fail

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 42.0013, 68.2832, 13.8720 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 42.0013, 68.2832, 13.8720

Background



This preview shows how black text looks on a background with the XYZ color 42.0013, 68.2832, 13.8720.



This preview shows how white text looks on a background with the XYZ color 42.0013, 68.2832,

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

42.0013, 68.2832, 13.8720

Protanopia

60.9940, 67.4688, 11.9985

Deuteranopia

67.2076, 66.9611, 29.8046



Tritanopia

57.7869, 67.5086, 93.9892

Trichromacy



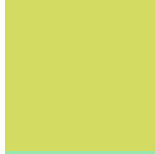
Original Color

42.0013, 68.2832, 13.8720



Protanomaly

51.4864, 66.0573, 12.5193



Deuteranomaly

54.4476, 65.4128, 21.5606



Tritanomaly

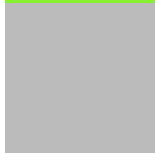
48.8801, 66.3445, 49.2592

Monochromacy



Original Color

42.0013, 68.2832, 13.8720



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

42.9766, 54.7566, 31.9709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0013, 68.2832, 13.8720 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(135, 241, 49)` looks like.

```
.text, #text, p{  
    color:rgb(135, 241, 49)  
}
```

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(135, 241, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 241, 49) }
```

Border

The CSS property to change the border of an element to XYZ 42.0013, 68.2832, 13.8720 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(135, 241, 49) }
```


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

```
.border{ border-color:rgb(135, 241, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 241, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 241, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 241, 49);  
box-shadow:4px 4px 4px 4px rgb(135, 241,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0013, 68.2832, 13.8720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 241, 49) }
```

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

```
.background{ background-color: rgb(135,  
241, 49) }
```

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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