

Converting Colors

XYZ(41.4031, 68.0008, 11.2134)

Have a look what the booklet for
XYZ(41.4031, 68.0008, 11.2134)
contains.

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Color

**XYZ(41.4963, 68.0812,
11.2124)**

Conversions

Conversions Part 1

Format	Color
Hex	87F109
RGB	135, 241, 9
RGB Percent	53%, 95%, 4%
CMY	0.4706, 0.0549, 0.9646
CMYK	0.44, 0.00, 0.96, 0.05
HSL	87°, 93%, 49%
HSV	87°, 96%, 95%
XYZ	41.4963, 68.0812, 11.2124
YIQ	182.8580, 11.2960, -94.6240

Conversions

Conversions Part 2

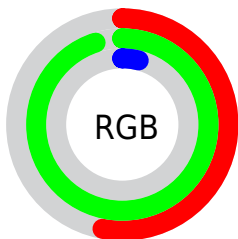
Format	Color
RYB	9, 241, 115
Decimal	8909065
CIELab	86.05, -60.55, 82.20
CIELCh	86, 102.092, 126.376
Yxy	68.0812, 0.3435, 0.5636
Android (android.graphics.Color)	4287099145 (0xFF87F109)
YUV	182.8580, -85.7120, -41.9715
Hunter-Lab	82.5113, -54.6243, 49.7011

Details

The XYZ color **41.4963, 68.0812, 11.2124** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark saturated chartreuse. A complement of this color would be **23.0517, 10.1950, 83.9758**, and the grayscale version is **45.3866, 47.7503, 52.0001**.

A 20% lighter version of the original color is **60.5007, 84.0461, 23.3897**, and **19.7390, 35.6206, 5.8351** is the 20% darker color. If you saturate the color by 10%, you get **40.7967, 67.7284, 10.9227**, and if you desaturate by 10%, it is **43.5896, 69.1362, 12.4962**.

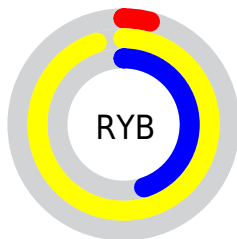
Distribution



Red (53%)

Green (95%)

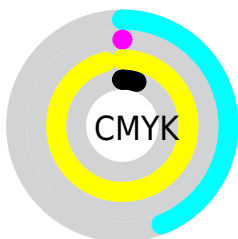
Blue (4%)



Red (4%)

Yellow (95%)

Blue (45%)

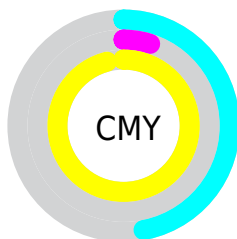


Cyan (44%)

Magenta (0%)

Yellow (96%)

Black (5%)



Cyan (47%)

Magenta (5%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4963, 68.0812, 11.2124 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 41.4963, 68.0812, 11.2124 by changing the saturation by 10% instead.


 41.4963, 68.0812,
11.2124


 41.4963, 68.0812,
11.2124


343.4179,
453.7837, 209.9085


 28.8965, 49.9638,
6.0939


 76.7067, 116.4683,
28.6949

 19.1464, 35.3846,
2.8326


 100.0479,
147.5068, 41.8960


 11.8807, 23.9593,
1.0098


 127.7004,
183.6211, 58.6284

 6.7341, 15.3034,
0.0000

 160.0294,
225.1956, 79.3106

 3.3412, 9.0326,
0.0000

 197.4003,
272.6147, 104.3612

 1.3367, 4.7625,
0.0000

 240.1784,

 0.2104, 2.1086,

326.2628, 134.1986

0.0000

288.7292,
386.5244, 169.2416

■ 0.0000, 0.6694,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.4963, 68.0812,
11.2124

■ 41.4963, 68.0812,
11.2124

■ 40.7967, 67.7284,
10.9227

■ 43.5896, 69.1362,
12.4962

■ 46.1110, 70.3820,
15.0568

■ 49.1116, 71.8419,
19.1296

■ 52.6319, 73.5325,
24.9023

■ 56.7071, 75.4686,
32.5354

■ 61.3685, 77.6632,
42.1707

■ 66.6450, 80.1284,
53.9365

■ 72.5631, 82.8752,
67.9502

■ 79.1475, 85.9141,
84.3206

Harmonies

Analogous

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



59.8336, 68.0812, 5.6238



41.4963, 68.0812, 11.2124



31.5840, 68.0812, 33.5095

Triad

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



41.4963, 68.0812, 11.2124



48.2802, 68.0812, 266.3462



120.6112, 68.0812, 60.7029

Complementary

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



41.4963, 68.0812, 11.2124



23.0517, 10.1950, 83.9758

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.



115.3913, 68.0812, 138.7977



41.4963, 68.0812, 11.2124



69.8426, 68.0812, 290.5418

Square

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



41.4963, 68.0812, 11.2124



34.7884, 68.0812, 180.0186



95.2789, 68.0812, 234.1254



108.1889, 68.0812, 20.9135

Rectangle

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



41.4963, 68.0812, 11.2124



29.3536, 68.0812, 66.2669



95.2789, 68.0812, 234.1254



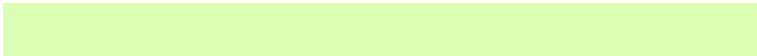
120.8970, 68.0812, 82.5892

Sweetspot

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



41.4979, 68.0841, 11.2139



73.9872, 90.2628, 57.2659



42.2792, 30.6261, 3.9426



15.2869, 19.0633, 11.0322



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.



41.4979, 68.0841, 11.2139



46.3191, 76.9634, 12.4142



31.8078, 63.0887, 10.7604



16.3861, 18.0792, 16.7757



22.2797, 36.8072, 5.9302



1.9681, 3.1211, 0.4987

Inverse Universe

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



23.0517, 10.1950, 83.9758



25.3232, 10.9694, 95.3904



48.4189, 23.2723, 85.1629



15.5835, 15.5825, 19.9080



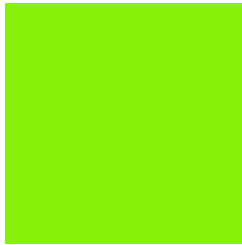
12.2572, 5.3242, 45.5095



1.1330, 0.5014, 3.7913

Previews

White Background



This preview shows how the XYZ color 41.4963, 68.0812, 11.2124 looks on a white background.

Color Contrast Check

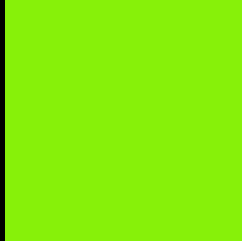
Large Text (above 18pt) WCAG AA × Fail

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 41.4963, 68.0812, 11.2124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

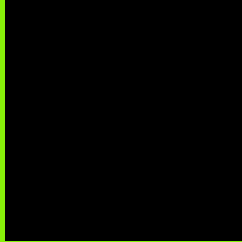
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.4963, 68.0812, 11.2124

Background



This preview shows how black text looks on a background with the XYZ color 41.4963, 68.0812, 11.2124.



This preview shows how white text looks on a background with the XYZ color 41.4963, 68.0812,

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

41.4963, 68.0812, 11.2124

Protanopia

60.3222, 66.7939, 9.7132

Deuteranopia

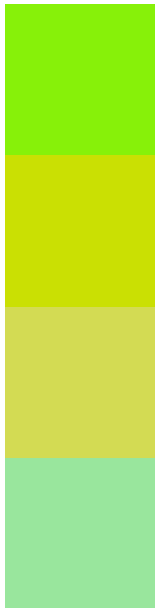
67.0772, 66.9090, 29.1180



Tritanopia

57.9925, 67.6146, 93.9988

Trichromacy



Original Color

41.4963, 68.0812, 11.2124

Protanomaly

51.0292, 65.8744, 10.1117

Deuteranomaly

53.7568, 65.1365, 17.9229

Tritanomaly

47.5195, 65.8003, 42.0945

Monochromacy



Original Color

41.4963, 68.0812, 11.2124

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

40.7089, 52.6488, 25.7859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4963, 68.0812, 11.2124 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, 9)` looks like.

```
.text, #text, p{  
    color:rgb(135, 241, 9)  
}
```

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, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 241, 9) }
```

Border

The CSS property to change the border of an element to XYZ 41.4963, 68.0812, 11.2124 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, 9) }
```


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

```
.border{ border-color:rgb(135, 241, 9) }
```

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, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 241, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 241, 9);  
box-shadow:4px 4px 4px 4px rgb(135, 241,  
9) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4963, 68.0812, 11.2124 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, 9) }
```

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

```
.background{ background-color: rgb(135,  
241, 9) }
```

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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