

Converting Colors

XYZ(31.5540, 46.1239, 12.7086)

Have a look what the booklet for
XYZ(31.5540, 46.1239, 12.7086)
contains.

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Color

**XYZ(31.5540, 46.1239,
12.7086)**

Conversions

Conversions Part 1

Format	Color
Hex	89C644
RGB	137, 198, 68
RGB Percent	54%, 78%, 27%
CMY	0.4627, 0.2235, 0.7333
CMYK	0.31, 0.00, 0.66, 0.22
HSL	88°, 53%, 52%
HSV	88°, 66%, 78%
XYZ	31.5540, 46.1239, 12.7086
YIQ	164.9410, 5.3740, -53.3620

Conversions

Conversions Part 2

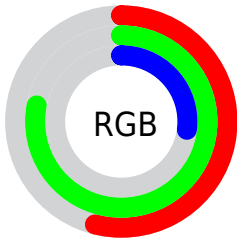
Format	Color
RYB	68, 198, 129
Decimal	9029188
CIELab	73.63, -40.11, 56.79
CIElCh	74, 69.521, 125.232
Yxy	46.1239, 0.3491, 0.5103
Android (android.graphics.Color)	4287219268 (0xFF89C644)
YUV	164.9410, -47.7919, -24.5043
Hunter-Lab	67.9146, -35.9171, 36.4455

Details

The XYZ color **31.5540, 46.1239, 12.7086** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **21.3156, 12.8800, 54.7914**, and the grayscale version is **35.9572, 37.8298, 41.1967**.

A 20% lighter version of the original color is **61.5210, 84.3945, 31.4596**, and **13.4529, 21.7404, 3.4873** is the 20% darker color. If you saturate the color by 10%, you get **29.5910, 45.1718, 9.9778**, and if you desaturate by 10%, it is **33.8544, 47.2293, 16.5220**.

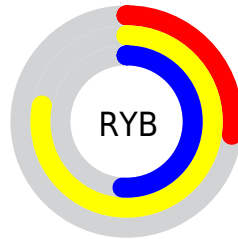
Distribution



Red (54%)

Green (78%)

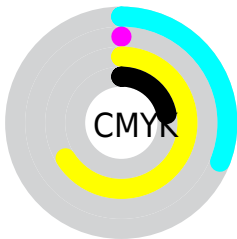
Blue (27%)



Red (27%)

Yellow (78%)

Blue (51%)

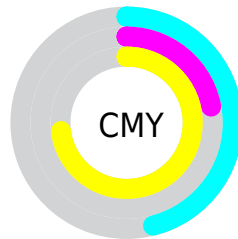


Cyan (31%)

Magenta (0%)

Yellow (66%)

Black (22%)



Cyan (46%)

Magenta (22%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5540, 46.1239, 12.7086 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 31.5540, 46.1239, 12.7086 by changing the saturation by 10% instead.

■ 31.5540, 46.1239,
12.7086

■ 31.5540, 46.1239,
12.7086

300.8640,
371.3065, 220.1834

■ 21.1750, 32.3436,
7.0998

■ 61.4812, 84.4044,
31.4627

■ 13.3651, 21.6241,
3.4452

■ 81.7600, 109.6734,
45.4452

■ 7.7592, 13.5809,
1.3262

■ 106.0695,
139.5407, 63.0560

■ 3.9918, 7.8298,
0.0831

■ 134.7750,
174.3908, 84.7136

■ 1.6975, 3.9862,
0.0000

■ 168.2418,
214.6080, 110.8366

■ 0.4547, 1.6659,
0.0000

206.8354,

■ 0.0000, 0.4014,

260.5768, 141.8436

0.0000

250.9210,
312.6815, 178.1530

■ 0.0000, 0.0000,
0.0000

■ 31.5540, 46.1239,
12.7086

■ 31.5540, 46.1239,
12.7086

■ 29.5910, 45.1718,
9.9778

■ 33.8544, 47.2293,
16.5220

■ 27.9374, 44.3567,
8.2133

■ 36.5106, 48.4909,
21.5128

■ 26.5642, 43.6681,
7.2758

■ 39.5434, 49.9190,
27.7687

■ 26.0311, 43.3987,
7.0048

■ 42.9704, 51.5210,
35.3684

■ 46.8083, 53.3040,
44.3840

■ 51.0726, 55.2744,
54.8826

■ 55.7780, 57.4383,
66.9270

■ 60.9381, 59.8017,
80.5764

■ 66.5663, 62.3701,
95.8867

Harmonies

Analogous

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



41.7162, 46.1239, 8.4460



31.5540, 46.1239, 12.7086



25.6690, 46.1239, 26.8400

Triad

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



31.5540, 46.1239, 12.7086



34.6527, 46.1239, 140.3360



71.8848, 46.1239, 44.2898

Complementary

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



31.5540, 46.1239, 12.7086



21.3156, 12.8800, 54.7914

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.



69.0331, 46.1239, 84.3067



31.5540, 46.1239, 12.7086



46.0334, 46.1239, 152.4799

Square

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



31.5540, 46.1239, 12.7086



27.2095, 46.1239, 100.3517



58.9598, 46.1239, 128.4264



66.1528, 46.1239, 20.3885

Rectangle

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



31.5540, 46.1239, 12.7086



24.2304, 46.1239, 44.7953



58.9598, 46.1239, 128.4264



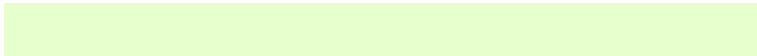
71.9081, 46.1239, 56.0683

Sweetspot

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



31.5551, 46.1259, 12.7096



79.6358, 92.8798, 70.8571



32.1404, 28.0377, 9.1874



16.6353, 19.6895, 14.2085



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.



31.5551, 46.1259, 12.7096



51.0059, 79.3039, 16.0538



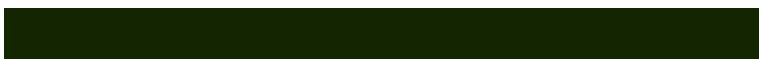
23.9363, 42.1983, 12.3530



11.0259, 12.1603, 11.3288



17.0274, 28.2733, 4.5598



0.8894, 1.3816, 0.2198

Inverse Universe

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



21.3156, 12.8800, 54.7914



31.5762, 16.1203, 96.0550



34.4247, 19.6380, 55.4049



10.5220, 10.5274, 13.3949



9.6559, 4.2121, 35.0484



0.5406, 0.2425, 1.6634

Previews

White Background



This preview shows how the XYZ color 31.5540, 46.1239, 12.7086 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 31.5540, 46.1239, 12.7086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

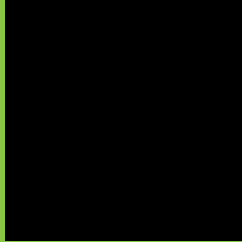
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5540, 46.1239, 12.7086

Background



This preview shows how black text looks on a background with the XYZ color 31.5540, 46.1239, 12.7086.



This preview shows how white text looks on a background with the XYZ color 31.5540, 46.1239,

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

31.5540, 46.1239, 12.7086

Protanopia

41.3059, 45.4189, 11.2923

Deuteranopia

46.3339, 45.3496, 13.3325



Tritanopia

41.2919, 45.8366, 61.3146

Trichromacy



Original Color

31.5540, 46.1239, 12.7086

Protanomaly

37.0846, 45.3873, 11.8071

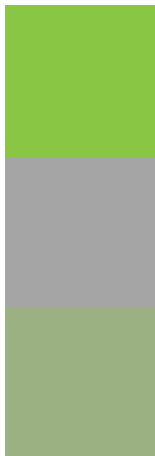
Deuteranomaly

39.4981, 44.7486, 13.0341

Tritanomaly

36.2937, 45.3898, 36.5540

Monochromacy



Original Color

31.5540, 46.1239, 12.7086

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

33.2690, 40.0245, 27.0911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5540, 46.1239, 12.7086 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(137, 198, 68)` looks like.

```
.text, #text, p{  
    color:rgb(137, 198, 68)  
}
```

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(137, 198, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 198, 68) }
```

Border

The CSS property to change the border of an element to XYZ 31.5540, 46.1239, 12.7086 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(137, 198, 68) }
```


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

```
.border{ border-color:rgb(137, 198, 68) }
```

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

Here you see how a box with a 4 pixel rgb(137, 198, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 198, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 198, 68);  
box-shadow:4px 4px 4px 4px rgb(137, 198,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5540, 46.1239, 12.7086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 198, 68) }
```

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

```
.background{ background-color: rgb(137,  
198, 68) }
```

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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