

Converting Colors

XYZ(49.3819, 70.0640, 32.0136)

Have a look what the booklet for
XYZ(49.3819, 70.0640, 32.0136)
contains.

| | |
|--|----|
| XYZ(49.2137, 69.8615, 32.0099) | 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(49.2137, 69.8615,
32.0099)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | A2ED82 |
| RGB | 162, 237, 130 |
| RGB Percent | 64%, 93%, 51% |
| CMY | 0.3647, 0.0706, 0.4902 |
| CMYK | 0.32, 0.00, 0.45, 0.07 |
| HSL | 102°, 75%, 72% |
| HSV | 102°, 45%, 93% |
| XYZ | 49.2137, 69.8615, 32.0099 |
| YIQ | 202.3770, -10.3530, -49.1770 |

Conversions

Conversions Part 2

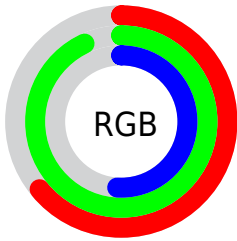
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 130, 237, 205 |
| Decimal | 10677634 |
| CIELab | 86.93, -42.16, 44.48 |
| CIELCh | 87, 61.283, 133.467 |
| Yxy | 69.8615, 0.3257, 0.4624 |
| Android (android.graphics.Color) | 4288867714 (0xFFA2ED82) |
| YUV | 202.3770, -35.6819, -35.4106 |
| Hunter-Lab | 83.5832, -41.1700, 35.8019 |

Details

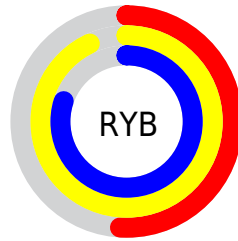
The XYZ color **49.2137, 69.8615, 32.0099** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **48.4489, 35.0611, 84.3386**, and the grayscale version is **56.5968, 59.5442, 64.8437**.

A 20% lighter version of the original color is **73.6251, 90.0408, 58.8465**, and **23.9624, 36.7236, 13.0331** is the 20% darker color. If you saturate the color by 10%, you get **44.6483, 67.6732, 24.4273**, and if you desaturate by 10%, it is **54.5949, 72.4323, 41.5459**.

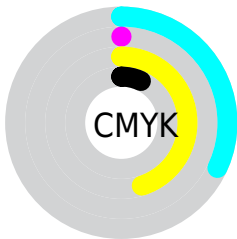
Distribution



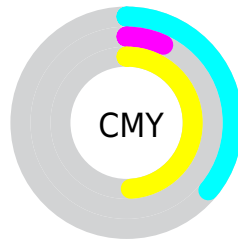
- Red (64%)
- Green (93%)
- Blue (51%)



- Red (51%)
- Yellow (93%)
- Blue (80%)



- Cyan (32%)
- Magenta (0%)
- Yellow (45%)
- Black (7%)





- Cyan (36%)
- Magenta (7%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2137, 69.8615, 32.0099 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 49.2137, 69.8615, 32.0099 by changing the saturation by 10% instead.


 49.2137, 69.8615,
32.0099


 49.2137, 69.8615,
32.0099


374.0860,
460.0636, 325.6585


 35.0043, 51.4136,
21.1042


 88.2076, 119.0112,
63.9247

 23.8327, 36.5379,
13.0082


 113.7227,
150.4819, 85.7709

 15.3336, 24.8499,
7.3034


 143.7372,
187.0622, 112.1009

 9.1417, 15.9653,
3.5712

178.6162,
229.1367, 143.3334

 4.8916, 9.4996,
1.3932

218.7253,
277.0897, 179.8868

 2.2179, 5.0684,
0.1364


264.4297,

 0.7521, 2.2875,


331.3055, 222.1798


0.0000


316.0948,
392.1687, 270.6308


 0.0000, 0.7671,
0.0000


 0.0000, 0.0000,
0.0000


 49.2137, 69.8615,
32.0099


 49.2137, 69.8615,
32.0099

 44.6483, 67.6732,
24.4273


 54.5949, 72.4323,
41.5459


 40.8505, 65.8391,
18.6585


 60.8261, 75.3941,
53.1531

 37.7750, 64.3413,
14.5525


 67.9458, 78.7666,
66.9452

 35.3683, 63.1562,
11.9321

 75.9886, 82.5652,
83.0265

 33.5679, 62.2561,
10.5794

 84.9869, 86.8045,
101.4944

 32.8748, 61.9061,
10.2164

 89.5757, 89.0513,
107.0752

Harmonies

Analogous

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



60.1972, 69.8615, 22.2857



49.2137, 69.8615, 32.0099



43.3615, 69.8615, 55.7731

Triad

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



49.2137, 69.8615, 32.0099



58.8746, 69.8615, 179.3833



96.9168, 69.8615, 59.1517

Complementary

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



49.2137, 69.8615, 32.0099



48.4489, 35.0611, 84.3386

Split Complementary

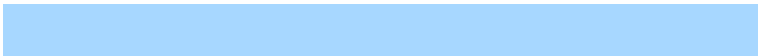
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.4272, 69.8615, 100.7692



49.2137, 69.8615, 32.0099



73.0175, 69.8615, 181.3243

Square

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



49.2137, 69.8615, 32.0099



48.3658, 69.8615, 144.1782



87.1863, 69.8615, 148.7942



88.4410, 69.8615, 33.7140

Rectangle

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



49.2137, 69.8615, 32.0099



42.5482, 69.8615, 80.9325



87.1863, 69.8615, 148.7942



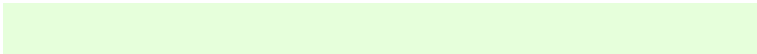
97.8283, 69.8615, 71.4011

Sweetspot

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



49.2154, 69.8645, 32.0114



81.2110, 93.4692, 80.9862



60.7647, 63.2341, 30.1229



16.9677, 19.8101, 16.5174



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.



49.2154, 69.8645, 32.0114



53.1831, 80.1290, 29.5856



45.1108, 67.5649, 40.1140



15.2917, 17.0804, 16.0096



18.0629, 33.8562, 5.5829



1.5122, 2.7069, 0.4428

Inverse Universe

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



48.4489, 35.0611, 84.3386



52.1263, 34.2822, 98.4775



55.2534, 38.9089, 69.2961



15.2508, 15.0746, 19.0281



17.0847, 7.8434, 44.3564



1.4377, 0.6655, 3.4875

Previews

White Background



This preview shows how the XYZ color 49.2137, 69.8615, 32.0099 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 49.2137, 69.8615, 32.0099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

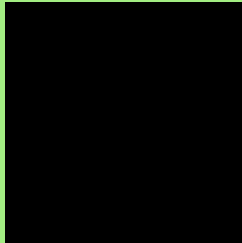
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2137, 69.8615, 32.0099

Background



This preview shows how black text looks on a background with the XYZ color 49.2137, 69.8615, 32.0099.



This preview shows how white text looks on a background with the XYZ color 49.2137, 69.8615,

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

49.2137, 69.8615, 32.0099

Protanopia

63.6479, 69.2329, 28.7476

Deuteranopia

69.7902, 69.1608, 39.8080



Tritanopia

61.5051, 69.4254, 94.1632

Trichromacy



Original Color

49.2137, 69.8615, 32.0099



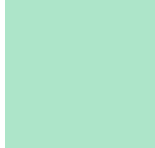
Protanomaly

56.9999, 68.5193, 29.9600



Deuteranomaly

60.2611, 68.0795, 36.7526



Tritanomaly

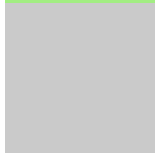
55.7955, 69.1399, 65.6629

Monochromacy



Original Color

49.2137, 69.8615, 32.0099



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

52.6304, 62.3003, 50.3255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2137, 69.8615, 32.0099 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(162, 237, 130)` looks like.

```
.text, #text, p{  
    color:rgb(162, 237, 130)  
}
```

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(162, 237, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 237, 130) }
```

Border

The CSS property to change the border of an element to XYZ 49.2137, 69.8615, 32.0099 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(162, 237, 130) }
```


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

```
.border{ border-color:rgb(162, 237, 130) }
```

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

Here you see how a box with a 4 pixel rgb(162, 237, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 237, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 237, 130);  
box-shadow:4px 4px 4px 4px rgb(162, 237,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2137, 69.8615, 32.0099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 237, 130) }
```

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

```
.background{ background-color: rgb(162,  
237, 130) }
```

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