

Converting Colors

XYZ(27.6654, 39.3459, 14.4345)

Have a look what the booklet for
XYZ(27.6654, 39.3459, 14.4345)
contains.

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Color

**XYZ(27.5870, 39.1742,
14.4949)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 81B754 |
| RGB | 129, 183, 84 |
| RGB Percent | 51%, 72%, 33% |
| CMY | 0.4941, 0.2823, 0.6706 |
| CMYK | 0.30, 0.00, 0.54, 0.28 |
| HSL | 93°, 41%, 52% |
| HSV | 93°, 54%, 72% |
| XYZ | 27.5870, 39.1742, 14.4949 |
| YIQ | 155.5680, -0.4050, -42.2370 |

Conversions

Conversions Part 2

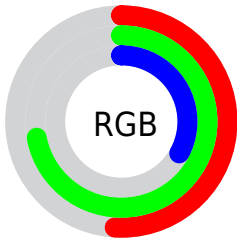
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 84, 183, 138 |
| Decimal | 8501076 |
| CIELab | 68.88, -34.80, 44.22 |
| CIELCh | 69, 56.271, 128.204 |
| Yxy | 39.1742, 0.3395, 0.4821 |
| Android (android.graphics.Color) | 4286691156 (0xFF81B754) |
| YUV | 155.5680, -35.2830, -23.3001 |
| Hunter-Lab | 62.5893, -30.8552, 30.0817 |

Details

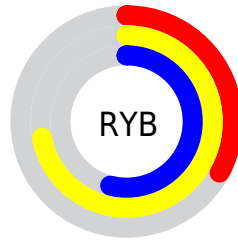
The XYZ color **27.5870, 39.1742, 14.4949** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **22.2005, 15.1640, 46.5588**, and the grayscale version is **31.5606, 33.2042, 36.1594**.

A 20% lighter version of the original color is **55.0776, 73.7009, 34.6154**, and **11.2376, 17.6116, 4.2459** is the 20% darker color. If you saturate the color by 10%, you get **25.5191, 38.1817, 11.1332**, and if you desaturate by 10%, it is **29.9922, 40.3214, 18.8514**.

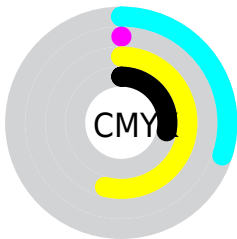
Distribution



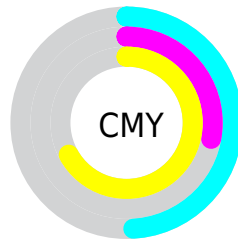
- Red (51%)
- Green (72%)
- Blue (33%)



- Red (33%)
- Yellow (72%)
- Blue (54%)



- Cyan (30%)
- Magenta (0%)
- Yellow (54%)
- Black (28%)





- Cyan (49%)
- Magenta (28%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.5870, 39.1742, 14.4949 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 27.5870, 39.1742, 14.4949 by changing the saturation by 10% instead.


 27.5870, 39.1742,
14.4949


 27.5870, 39.1742,
14.4949


282.6042,
342.6305, 231.8228


 18.1534, 26.8953,
8.3230


 55.2377, 73.9044,
34.6943


 11.1606, 17.4946,
4.2116


 74.1855, 97.1244,
49.5589


 6.2430, 10.5877,
1.7421


 97.0354, 124.7602,
68.1581

 3.0355, 5.7904,
0.3894

 124.1528,
157.1963, 90.9105

 1.1725, 2.7180,
0.0000

 155.9030,
194.8169, 118.2346

 0.0845, 0.9864,
0.0000

192.6514,

 0.0000, 0.0000,

238.0066, 150.5490

0.0000

234.7633,
287.1497, 188.2722

■ 27.5870, 39.1742,
14.4949

■ 27.5870, 39.1742,
14.4949

■ 25.5191, 38.1817,
11.1332

■ 29.9922, 40.3214,
18.8514

■ 23.7665, 37.3305,
8.6849

■ 32.7494, 41.6257,
24.2705

■ 22.3087, 36.6134,
7.0603

■ 35.8753, 43.0955,
30.8168

■ 21.1201, 36.0196,
6.1499

■ 39.3849, 44.7373,
38.5492

■ 20.5173, 35.7157,
5.8125

■ 43.2922, 46.5570,
47.5225

■ 47.6105, 48.5604,
57.7881

■ 52.3523, 50.7529,
69.3943

■ 57.5296, 53.1397,
82.3870

■ 63.1539, 55.7257,
96.8102

Harmonies

Analogous

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



34.8358, 39.1742, 10.1367



27.5870, 39.1742, 14.4949



23.4511, 39.1742, 26.8683

Triad

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



27.5870, 39.1742, 14.4949



31.2119, 39.1742, 106.5941



56.9591, 39.1742, 36.0112

Complementary

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



27.5870, 39.1742, 14.4949



22.2005, 15.1640, 46.5588

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.



55.5732, 39.1742, 63.6569



27.5870, 39.1742, 14.4949



39.7396, 39.1742, 112.2418

Square

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



27.5870, 39.1742, 14.4949



25.2990, 39.1742, 80.8955



48.9023, 39.1742, 94.1803



52.4325, 39.1742, 18.8863

Rectangle

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



27.5870, 39.1742, 14.4949



22.5662, 39.1742, 41.1301



48.9023, 39.1742, 94.1803



57.1816, 39.1742, 44.2152

Sweetspot

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



27.5879, 39.1759, 14.4958



69.1130, 79.4563, 65.8523



30.0475, 28.5434, 12.3138



14.9748, 17.4138, 13.9004



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.5879, 39.1759, 14.4958



45.0381, 68.0584, 18.9470



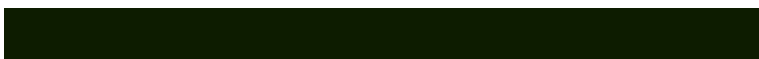
22.3234, 36.4467, 14.9402



9.2677, 10.2546, 9.5978



14.3896, 24.9544, 4.0583



0.5787, 0.9166, 0.1464

Inverse Universe

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



22.2005, 15.1640, 46.5588



34.3564, 20.5352, 82.3886



30.9080, 19.6921, 45.1940



8.9766, 8.9543, 11.3347



9.6954, 4.3094, 31.5739



0.4121, 0.1882, 1.1163

Previews

White Background



This preview shows how the XYZ color 27.5870, 39.1742, 14.4949 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 27.5870, 39.1742, 14.4949 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 27.5870, 39.1742, 14.4949

Background



This preview shows how black text looks on a background with the XYZ color 27.5870, 39.1742, 14.4949.



This preview shows how white text looks on a background with the XYZ color 27.5870, 39.1742,

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

27.5870, 39.1742, 14.4949

Protanopia

35.4215, 38.8841, 13.0356

Deuteranopia

39.5931, 38.8589, 15.0866



Tritanopia

35.1170, 38.9795, 52.1273

Trichromacy



Original Color

27.5870, 39.1742, 14.4949

Protanomaly

31.9458, 38.4806, 13.5283

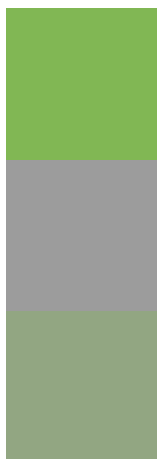
Deuteranomaly

33.8955, 38.0570, 14.7918

Tritanomaly

31.5976, 38.7096, 34.2401

Monochromacy



Original Color

27.5870, 39.1742, 14.4949

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

29.5195, 34.9951, 26.3180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5870, 39.1742, 14.4949 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(129, 183, 84)` looks like.

```
.text, #text, p{  
    color:rgb(129, 183, 84)  
}
```

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(129, 183, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 183, 84) }
```

Border

The CSS property to change the border of an element to XYZ 27.5870, 39.1742, 14.4949 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(129, 183, 84) }
```


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

```
.border{ border-color:rgb(129, 183, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 183, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 183, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 183, 84);  
box-shadow:4px 4px 4px 4px rgb(129, 183,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5870, 39.1742, 14.4949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 183, 84) }
```

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

```
.background{ background-color: rgb(129,  
183, 84) }
```

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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