

Converting Colors

XYZ(49.1596, 71.7139, 27.7465)

Have a look what the booklet for
XYZ(49.1596, 71.7139, 27.7465)
contains.

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Color

**XYZ(49.1049, 71.6451,
27.7638)**

Conversions

Conversions Part 1

Format	Color
Hex	A0F174
RGB	160, 241, 116
RGB Percent	63%, 95%, 45%
CMY	0.3725, 0.0549, 0.5451
CMYK	0.34, 0.00, 0.52, 0.05
HSL	99°, 82%, 70%
HSV	99°, 52%, 95%
XYZ	49.1049, 71.6451, 27.7638
YIQ	202.5310, -8.1510, -56.0470

Conversions

Conversions Part 2

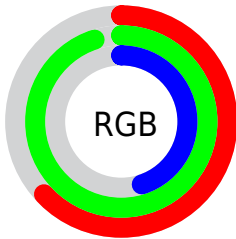
Format	Color
RYB	116, 241, 197
Decimal	10547572
CIELab	87.80, -46.20, 52.14
CIELCh	88, 69.660, 131.544
Yxy	71.6451, 0.3306, 0.4824
Android (android.graphics.Color)	4288737652 (0xFFA0F174)
YUV	202.5310, -42.6598, -37.2997
Hunter-Lab	84.6434, -44.5713, 39.8028

Details

The XYZ color **49.1049, 71.6451, 27.7638** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **45.1518, 30.7142, 86.7716**, and the grayscale version is **56.7348, 59.6894, 65.0018**.

A 20% lighter version of the original color is **72.0241, 89.3657, 51.9813**, and **23.7466, 37.5829, 10.7053** is the 20% darker color. If you saturate the color by 10%, you get **44.9528, 69.6483, 21.1772**, and if you desaturate by 10%, it is **54.0164, 73.9957, 36.2868**.

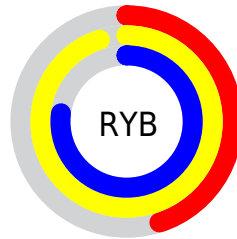
Distribution



Red (63%)

Green (95%)

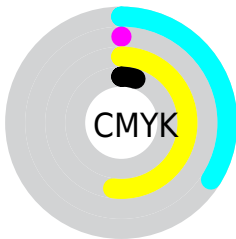
Blue (45%)



Red (45%)

Yellow (95%)

Blue (77%)

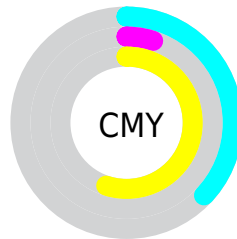


Cyan (34%)

Magenta (0%)

Yellow (52%)

Black (5%)



Cyan (37%)


Magenta (5%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1049, 71.6451, 27.7638 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 49.1049, 71.6451, 27.7638 by changing the saturation by 10% instead.


 49.1049, 71.6451,
27.7638


 49.1049, 71.6451,
27.7638


373.6653,
466.3054, 305.2129


 34.9176, 52.8688,
17.9102


 88.0470, 121.5518,
57.1257

 23.7656, 37.6981,
10.7168


 113.5325,
153.4510, 77.4710

 15.2836, 25.7484,
5.7649


 143.5148,
190.4934, 102.1507

 9.1063, 16.6355,
2.6362

178.3592,
233.0632, 131.5832

 4.8682, 9.9750,
0.9111

218.4311,
281.5449, 166.1872

 2.2041, 5.3824,
0.0000

264.0958,

 0.7449, 2.4733,

336.3229, 206.3811

0.0000

315.7188,
397.7816, 252.5835

0.0000, 0.8632,
0.0000

0.0000, 0.0000,
0.0000

49.1049, 71.6451,
27.7638

49.1049, 71.6451,
27.7638

44.9528, 69.6483,
21.1772

54.0164, 73.9957,
36.2868

41.5117, 67.9772,
16.3703


59.7214, 76.7083,
46.8774


38.7348, 66.6136,
13.1698


66.2581, 79.8019,
59.6607

36.5659, 65.5332,
11.3653

73.6606, 83.2917,
74.7505

 35.1874, 64.8367,
10.6602

 81.9607, 87.1918,
92.2528

 90.2728, 91.1492,
107.4434

 90.7468, 91.3935,
107.4656

Harmonies

Analogous

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



61.9272, 71.6451, 18.4685



49.1049, 71.6451, 27.7638



42.1614, 71.6451, 52.5790

Triad

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



49.1049, 71.6451, 27.7638



58.5153, 71.6451, 200.2511



104.2566, 71.6451, 61.1620

Complementary

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



49.1049, 71.6451, 27.7638



45.1518, 30.7142, 86.7716

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.



102.9439, 71.6451, 110.5468



49.1049, 71.6451, 27.7638



74.6625, 71.6451, 205.6271

Square

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



49.1049, 71.6451, 27.7638



46.9567, 71.6451, 155.3615



91.4446, 71.6451, 167.9802



94.7847, 71.6451, 31.8490

Rectangle

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



49.1049, 71.6451, 27.7638



40.9924, 71.6451, 80.4903



91.4446, 71.6451, 167.9802



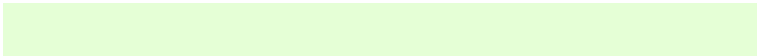
105.0983, 71.6451, 75.5799

Sweetspot

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



49.1066, 71.6482, 27.7654



80.0962, 92.9711, 77.4760



58.9834, 59.0696, 24.8169



16.7730, 19.7248, 15.8277



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.



49.1066, 71.6482, 27.7654



50.9645, 79.1095, 23.8684



42.8706, 68.3111, 32.9969



16.0907, 17.9269, 16.7619



19.2125, 35.2260, 5.7867



1.7024, 2.9841, 0.4863

Inverse Universe

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



45.1518, 30.7142, 86.7716



45.9625, 27.9414, 97.5785



56.0236, 36.5934, 74.8721



15.8830, 15.7369, 19.9220



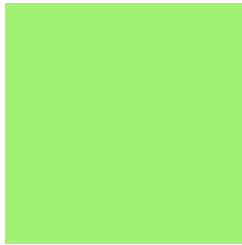
16.2146, 7.3643, 45.6947



1.4562, 0.6680, 3.8064

Previews

White Background



This preview shows how the XYZ color 49.1049, 71.6451, 27.7638 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 49.1049, 71.6451, 27.7638 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 49.1049, 71.6451, 27.7638

Background



This preview shows how black text looks on a background with the XYZ color 49.1049, 71.6451, 27.7638.

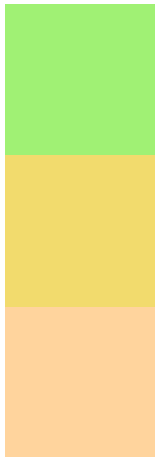


This preview shows how white text looks on a background with the XYZ color 49.1049, 71.6451,

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

49.1049, 71.6451, 27.7638

Protanopia

64.7098, 70.6444, 24.6932

Deuteranopia

70.8693, 70.7813, 41.8252



Tritanopia

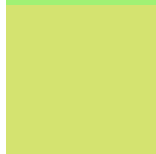
63.0066, 71.3545, 96.8382

Trichromacy



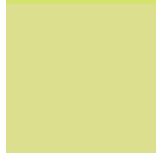
Original Color

49.1049, 71.6451, 27.7638



Protanomaly

57.5451, 70.1051, 25.8279



Deuteranomaly

60.7854, 69.9440, 35.8880



Tritanomaly

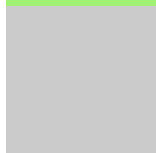
56.2832, 70.6747, 64.1012

Monochromacy



Original Color

49.1049, 71.6451, 27.7638



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.6571, 63.1308, 47.9382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1049, 71.6451, 27.7638 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(160, 241, 116)` looks like.

```
.text, #text, p{  
    color:rgb(160, 241, 116)  
}
```

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(160, 241, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 241, 116) }
```

Border

The CSS property to change the border of an element to XYZ 49.1049, 71.6451, 27.7638 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(160, 241, 116) }
```


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

```
.border{ border-color:rgb(160, 241, 116) }
```

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

Here you see how a box with a 4 pixel rgb(160, 241, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 241, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 241, 116);  
box-shadow:4px 4px 4px 4px rgb(160, 241,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1049, 71.6451, 27.7638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 241, 116) }
```

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

```
.background{ background-color: rgb(160,  
241, 116) }
```

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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