

Converting Colors

XYZ(49.1399, 64.5385, 44.9872)

Have a look what the booklet for
XYZ(49.1399, 64.5385, 44.9872)
contains.

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Color

**XYZ(49.1431, 64.5301,
44.9874)**

Conversions

Conversions Part 1

Format	Color
Hex	A5E1A4
RGB	165, 225, 164
RGB Percent	65%, 88%, 64%
CMY	0.3529, 0.1176, 0.3569
CMYK	0.27, 0.00, 0.27, 0.12
HSL	119°, 50%, 76%
HSV	119°, 27%, 88%
XYZ	49.1431, 64.5301, 44.9874
YIQ	200.1060, -16.1790, -31.6910

Conversions

Conversions Part 2

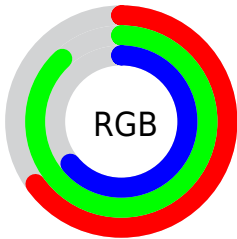
Format	Color
RYB	164, 225, 224
Decimal	10871204
CIELab	84.24, -30.77, 23.87
CIELCh	84, 38.938, 142.195
Yxy	64.5301, 0.3097, 0.4067
Android (android.graphics.Color)	4289061284 (0xFFA5E1A4)
YUV	200.1060, -17.8003, -30.7880
Hunter-Lab	80.3306, -31.3794, 23.0274

Details

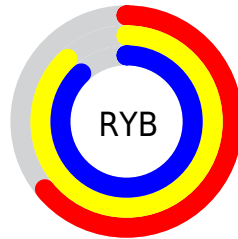
The XYZ color **49.1431, 64.5301, 44.9874** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **57.6093, 47.8364, 77.4345**, and the grayscale version is **55.0798, 57.9482, 63.1056**.

A 20% lighter version of the original color is **78.3650, 92.0066, 80.6466**, and **23.6681, 32.9253, 20.4370** is the 20% darker color. If you saturate the color by 10%, you get **43.0767, 61.6190, 35.0187**, and if you desaturate by 10%, it is **56.3690, 68.0012, 56.8896**.

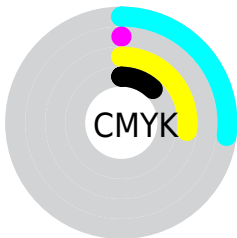
Distribution



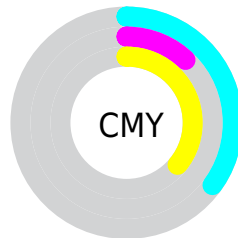
- Red (65%)
- Green (88%)
- Blue (64%)



- Red (64%)
- Yellow (88%)
- Blue (88%)



- Cyan (27%)
- Magenta (0%)
- Yellow (27%)
- Black (12%)





- Cyan (35%)
- Magenta (12%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1431, 64.5301, 44.9874 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 49.1431, 64.5301, 44.9874 by changing the saturation by 10% instead.


 49.1431, 64.5301,
44.9874


 49.1431, 64.5301,
44.9874


373.8130,
441.1014, 382.8812

 34.9480, 47.0802,
31.1046


 88.1034, 111.3740,
84.0198

 23.7892, 33.0990,
20.4194


 113.5993,
141.5368, 110.0064

 15.3012, 22.2023,
12.5132


143.5929,
176.7059, 140.8648

 9.1187, 14.0056,
6.9674

178.4495,
217.2659, 177.0134

 4.8764, 8.1246,
3.3636

218.5344,
263.6010, 218.8708

 2.2090, 4.1748,
1.2832

264.2131,

 0.7475, 1.7718,

316.0957, 266.8555

0.0479

315.8508,
375.1344, 321.3861

■ 0.0000, 0.4695,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.1431, 64.5301,
44.9874

■ 49.1431, 64.5301,
44.9874

■ 43.0767, 61.6190,
35.0187

■ 56.3690, 68.0012,
56.8896

■ 38.1047, 59.2309,
26.8775

■ 64.8050, 72.0506,
70.8151

■ 34.1635, 57.3372,
20.4542

■ 74.5048, 76.7061,
86.8536

■ 31.1807, 55.9033,
15.6256

■ 85.5174, 81.9911,
105.0879

■ 29.0748, 54.8902,
12.2525

■ 86.2165, 82.3330,
105.9555

■ 27.7504, 54.2521,
10.1715

■ 27.0882, 53.9322,
9.1689

■ 26.9726, 53.8768,
8.9777

Harmonies

Analogous

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



55.2807, 64.5301, 34.8261



49.1431, 64.5301, 44.9874



46.3286, 64.5301, 64.0086

Triad

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



49.1431, 64.5301, 44.9874



59.1096, 64.5301, 128.5956



78.0040, 64.5301, 53.8059

Complementary

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



49.1431, 64.5301, 44.9874



57.6093, 47.8364, 77.4345

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.



79.2728, 64.5301, 76.9107



49.1431, 64.5301, 44.9874



67.8137, 64.5301, 124.0435

Square

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



49.1431, 64.5301, 44.9874



51.7207, 64.5301, 114.8597



75.3905, 64.5301, 103.5775



72.0701, 64.5301, 39.0233

Rectangle

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



49.1431, 64.5301, 44.9874



46.5118, 64.5301, 80.7792



75.3905, 64.5301, 103.5775



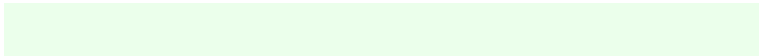
79.0114, 64.5301, 60.7003

Sweetspot

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



49.1448, 64.5328, 44.9888



84.9368, 95.1460, 92.1830



64.4063, 71.9936, 45.6245



17.7991, 20.1823, 19.1018



0.0000, 0.0000, 0.0000



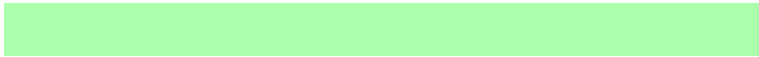
20.3446, 21.4041, 23.3091

Same Dimension

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



49.1448, 64.5328, 44.9888



60.1597, 83.2510, 51.3515



51.9168, 65.6177, 60.6664



13.5494, 15.3479, 14.5551



15.5516, 31.0497, 5.1735



1.0854, 2.1560, 0.3589

Inverse Universe

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



57.6093, 47.8364, 77.4345



73.3194, 57.2888, 101.8012



54.2379, 46.5237, 58.0599



14.2717, 13.9236, 17.3230



25.0803, 12.0247, 42.0475



1.7456, 0.8372, 2.9148

Previews

White Background



This preview shows how the XYZ color 49.1431, 64.5301, 44.9874 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 49.1431, 64.5301, 44.9874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

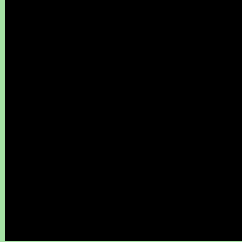
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1431, 64.5301, 44.9874

Background



This preview shows how black text looks on a background with the XYZ color 49.1431, 64.5301, 44.9874.



This preview shows how white text looks on a background with the XYZ color 49.1431, 64.5301,

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
Protanopia
Deuteranopia

49.1431, 64.5301, 44.9874
59.6267, 63.8825, 41.0862
65.0102, 63.6925, 46.4036



Tritanopia

57.3953, 64.3420, 86.4850

Trichromacy



Original Color

49.1431, 64.5301, 44.9874



Protanomaly

55.2742, 63.8355, 42.6659



Deuteranomaly

58.0460, 63.3303, 45.7238



Tritanomaly

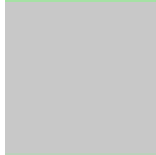
53.9503, 64.1013, 69.2038

Monochromacy



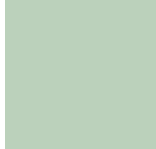
Original Color

49.1431, 64.5301, 44.9874



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.2636, 59.7536, 55.7927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1431, 64.5301, 44.9874 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(165, 225, 164)` looks like.

```
.text, #text, p{  
    color:rgb(165, 225, 164)  
}
```

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(165, 225, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 225, 164) }
```

Border

The CSS property to change the border of an element to XYZ 49.1431, 64.5301, 44.9874 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(165, 225, 164) }
```


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

```
.border{ border-color:rgb(165, 225, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 225, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 225, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 225, 164);  
box-shadow:4px 4px 4px 4px rgb(165, 225,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1431, 64.5301, 44.9874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 225, 164) }
```

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

```
.background{ background-color: rgb(165,  
225, 164) }
```

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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