

Converting Colors

XYZ(49.5317, 62.7164, 45.8294)

Have a look what the booklet for
XYZ(49.5317, 62.7164, 45.8294)
contains.

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Color

**XYZ(49.5815, 62.7471,
46.0574)**

Conversions

Conversions Part 1

Format	Color
Hex	ACDCA7
RGB	172, 220, 167
RGB Percent	67%, 86%, 65%
CMY	0.3255, 0.1372, 0.3451
CMYK	0.22, 0.00, 0.24, 0.14
HSL	114°, 43%, 76%
HSV	114°, 24%, 86%
XYZ	49.5815, 62.7471, 46.0574
YIQ	199.6060, -11.5950, -26.6590

Conversions

Conversions Part 2

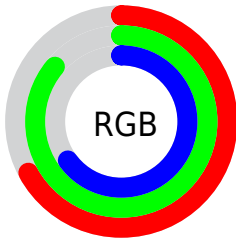
Format	Color
RYB	167, 220, 215
Decimal	11328679
CIELab	83.31, -25.56, 21.09
CIELCh	83, 33.136, 140.472
Yxy	62.7471, 0.3130, 0.3962
Android (android.graphics.Color)	4289518759 (0xFFACDCA7)
YUV	199.6060, -16.0748, -24.2105
Hunter-Lab	79.2131, -26.8951, 20.9758

Details

The XYZ color **49.5815, 62.7471, 46.0574** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.7640, 47.2537, 73.9480**, and the grayscale version is **54.7596, 57.6113, 62.7388**.

A 20% lighter version of the original color is **80.9397, 93.2879, 82.8476**, and **24.1574, 32.0700, 21.1366** is the 20% darker color. If you saturate the color by 10%, you get **43.6684, 59.9160, 36.0520**, and if you desaturate by 10%, it is **56.4996, 66.0600, 57.9185**.

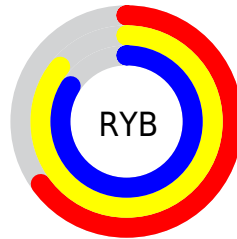
Distribution



Red (67%)

Green (86%)

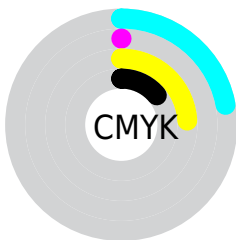
Blue (65%)



Red (65%)

Yellow (86%)

Blue (84%)

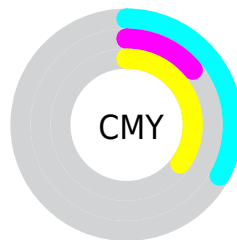


Cyan (22%)

Magenta (0%)

Yellow (24%)

Black (14%)



Cyan (33%)


Magenta (14%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5815, 62.7471, 46.0574 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 49.5815, 62.7471, 46.0574 by changing the saturation by 10% instead.


 49.5815, 62.7471,
46.0574


 49.5815, 62.7471,
46.0574

375.5062,
434.6511, 387.3237

 35.2974, 45.6366,
31.9421


 88.7500, 108.8046,
85.6401

 24.0597, 31.9592,
21.0528


 114.3652,
138.5204, 111.9446

 15.5029, 21.3303,
12.9710

144.4881,
173.2068, 143.1492

 9.2617, 13.3657,
7.2781

179.4841,
213.2481, 179.6726

 4.9707, 7.6808,
3.5555

219.7186,
259.0288, 221.9331

 2.2647, 3.8914,
1.3848

265.5568,

 0.7765, 1.6130,

310.9333, 270.3495

0.1298

317.3642,
369.3459, 325.3401

0.0000, 0.3663,
0.0000

0.0000, 0.0000,
0.0000

49.5815, 62.7471,
46.0574

49.5815, 62.7471,
46.0574

43.6684, 59.9160,
36.0520

56.4996, 66.0600,
57.9185

38.7089, 57.5366,
27.8047

64.4614, 69.8673,
71.7182

34.6541, 55.5880,
21.2152

73.5094, 74.1909,
87.5393

31.4493, 54.0442,
16.1712

83.6819, 79.0490,
105.4552

■ 29.0334, 52.8764,
12.5468

■ 84.8845, 79.6689,
105.5115

■ 27.3372, 52.0523,
10.1963

■ 26.2791, 51.5335,
8.9426

■ 25.8984, 51.3456,
8.5457

Harmonies

Analogous

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



54.9250, 62.7471, 37.4905



49.5815, 62.7471, 46.0574



46.9963, 62.7471, 61.9634

Triad

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



49.5815, 62.7471, 46.0574



57.3760, 62.7471, 115.3808



73.5784, 62.7471, 55.3654

Complementary

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



49.5815, 62.7471, 46.0574



54.7640, 47.2537, 73.9480

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.



74.3677, 62.7471, 75.0991



49.5815, 62.7471, 46.0574



64.6158, 62.7471, 112.6261

Square

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



49.5815, 62.7471, 46.0574



51.2515, 62.7471, 103.7101



70.9727, 62.7471, 96.8034



68.8956, 62.7471, 42.0656

Rectangle

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



49.5815, 62.7471, 46.0574



47.0302, 62.7471, 75.7873



70.9727, 62.7471, 96.8034



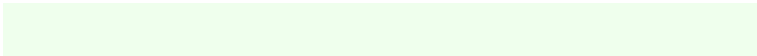
74.3217, 62.7471, 61.3618

Sweetspot

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



49.5832, 62.7498, 46.0588



86.6084, 95.9650, 94.1941



60.7172, 66.4570, 46.1875



18.3895, 20.4696, 19.9040



0.0000, 0.0000, 0.0000



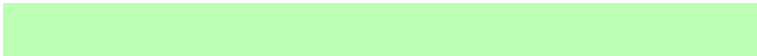
20.3446, 21.4041, 23.3091

Same Dimension

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



49.5832, 62.7498, 46.0588



64.8507, 85.5527, 56.8383



50.6302, 63.0442, 57.1921



12.9999, 14.6647, 13.8710



15.2402, 30.1541, 5.0171



1.0273, 1.9741, 0.3269

Inverse Universe

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



54.7640, 47.2537, 73.9480



73.3045, 60.2492, 102.3734



53.6217, 46.9690, 60.1531



13.4870, 13.2092, 16.4909



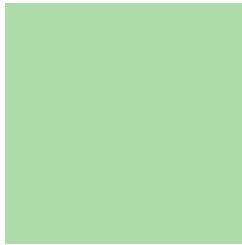
21.4952, 10.2054, 40.5753



1.4286, 0.6797, 2.6303

Previews

White Background



This preview shows how the XYZ color 49.5815, 62.7471, 46.0574 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 49.5815, 62.7471, 46.0574 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

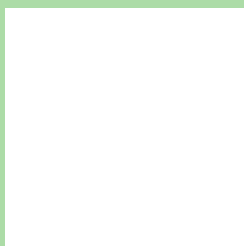
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.5815, 62.7471, 46.0574

Background



This preview shows how black text looks on a background with the XYZ color 49.5815, 62.7471, 46.0574.



This preview shows how white text looks on a background with the XYZ color 49.5815, 62.7471,

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

49.5815, 62.7471, 46.0574

Protanopia

58.5646, 62.5710, 42.7089

Deuteranopia

63.3707, 62.1378, 47.1819



Tritanopia

56.9777, 62.6892, 83.2259

Trichromacy



Original Color

49.5815, 62.7471, 46.0574

Protanomaly

54.7829, 62.4278, 43.8127

Deuteranomaly

57.5929, 61.9750, 46.9571

Tritanomaly

53.8011, 62.5221, 67.6249

Monochromacy



Original Color

49.5815, 62.7471, 46.0574

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

52.6251, 59.2036, 56.2308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5815, 62.7471, 46.0574 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(172, 220, 167)` looks like.

```
.text, #text, p{  
    color:rgb(172, 220, 167)  
}
```

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(172, 220, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 220, 167) }
```

Border

The CSS property to change the border of an element to XYZ 49.5815, 62.7471, 46.0574 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(172, 220, 167) }
```


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

```
.border{ border-color:rgb(172, 220, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 220, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 220, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 220, 167);  
box-shadow:4px 4px 4px 4px rgb(172, 220,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5815, 62.7471, 46.0574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 220, 167) }
```

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

```
.background{ background-color: rgb(172,  
220, 167) }
```

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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