

Converting Colors

XYZ(49.1896, 59.3243, 47.6048)

Have a look what the booklet for
XYZ(49.1896, 59.3243, 47.6048)
contains.

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Color

**XYZ(49.2543, 59.4922,
47.4152)**

Conversions

Conversions Part 1

Format	Color
Hex	B2D4AB
RGB	178, 212, 171
RGB Percent	70%, 83%, 67%
CMY	0.3020, 0.1686, 0.3294
CMYK	0.16, 0.00, 0.19, 0.17
HSL	110°, 32%, 75%
HSV	110°, 19%, 83%
XYZ	49.2543, 59.4922, 47.4152
YIQ	197.1600, -7.1030, -19.9590

Conversions

Conversions Part 2

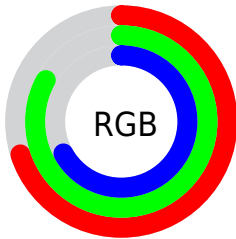
Format	Color
RYB	171, 212, 205
Decimal	11719851
CIELab	81.56, -18.91, 16.62
CIELCh	82, 25.174, 138.700
Yxy	59.4922, 0.3154, 0.3810
Android (android.graphics.Color)	4289909931 (0xFFB2D4AB)
YUV	197.1600, -12.8969, -16.8033
Hunter-Lab	77.1312, -20.9934, 17.5442

Details

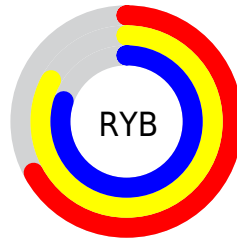
The XYZ color **49.2543, 59.4922, 47.4152** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.6257, 46.8600, 68.6143**, and the grayscale version is **53.2475, 56.0205, 61.0063**.

A 20% lighter version of the original color is **83.4192, 94.5034, 85.7958**, and **23.8442, 29.8058, 21.9491** is the 20% darker color. If you saturate the color by 10%, you get **43.6150, 56.8018, 37.4354**, and if you desaturate by 10%, it is **55.7380, 62.5839, 59.1289**.

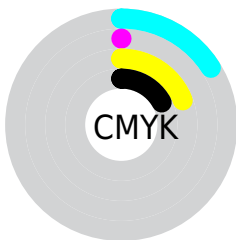
Distribution



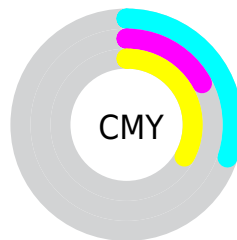
- Red (70%)
- Green (83%)
- Blue (67%)



- Red (67%)
- Yellow (83%)
- Blue (80%)



- Cyan (16%)
- Magenta (0%)
- Yellow (19%)
- Black (17%)





- Cyan (30%)
- Magenta (17%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2543, 59.4922, 47.4152 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 49.2543, 59.4922, 47.4152 by changing the saturation by 10% instead.

 49.2543, 59.4922,
47.4152

 49.2543, 59.4922,
47.4152


374.2430,
422.7235, 392.9110

 35.0366, 43.0095,
33.0073


 88.2675, 104.0927,
87.6895

 23.8577, 29.8925,
21.8609


113.7937,
132.9792, 114.3930

 15.3523, 19.7570,
13.5574


143.8201,
166.7692, 146.0322

 9.1549, 12.2186,
7.6782

178.7121,
205.8469, 183.0255

 4.9003, 6.8927,
3.8050

218.8350,
250.5968, 225.7914

 2.2230, 3.3951,
1.5190

264.5543,

 0.7548, 1.3413,

301.4032, 274.7487

0.2320

316.2351,
358.6507, 330.3157

■ 0.0000, 0.1729,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.2543, 59.4922,
47.4152

■ 49.2543, 59.4922,
47.4152

■ 43.6150, 56.8018,
37.4354

■ 55.7380, 62.5839,
59.1289

■ 38.7804, 54.4889,
29.1035

■ 63.0942, 66.0845,
72.6492

■ 34.7147, 52.5386,
22.3319

■ 71.3556, 70.0111,
88.0496

■ 31.3774, 50.9323,
17.0235

■ 80.4219, 74.3255,
104.7153

■ 28.7244, 49.6493,
13.0703

■ 82.8346, 75.5693,
104.8282

■ 26.7064, 48.6671,
10.3492

■ 25.2671, 47.9598,
8.7151

■ 24.3279, 47.4922,
7.9248

■ 24.2789, 47.4678,
7.8826

Harmonies

Analogous

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



53.3518, 59.4922, 40.9492



49.2543, 59.4922, 47.4152



47.1604, 59.4922, 59.2435

Triad

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



49.2543, 59.4922, 47.4152



54.5789, 59.4922, 97.6871



66.7204, 59.4922, 55.8926

Complementary

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



49.2543, 59.4922, 47.4152



51.6257, 46.8600, 68.6143

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.



67.0999, 59.4922, 70.6445



49.2543, 59.4922, 47.4152



59.8643, 59.4922, 96.4151

Square

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



49.2543, 59.4922, 47.4152



50.1044, 59.4922, 89.1751



64.5230, 59.4922, 85.9307



63.5163, 59.4922, 45.2919

Rectangle

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



49.2543, 59.4922, 47.4152



47.0895, 59.4922, 69.2764



64.5230, 59.4922, 85.9307



67.1896, 59.4922, 60.4765

Sweetspot

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



49.2559, 59.4947, 47.4165



88.1687, 96.7259, 96.2276



56.2125, 60.3559, 47.2161



18.7178, 20.6301, 20.3147



0.0000, 0.0000, 0.0000



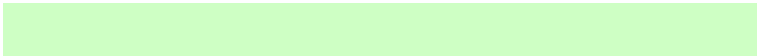
20.3446, 21.4041, 23.3091

Same Dimension

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



49.2559, 59.4947, 47.4165



71.3180, 88.6952, 65.7947



48.9899, 59.2075, 54.1858



12.4580, 13.9968, 13.2058



15.0460, 29.3328, 4.8688



0.9693, 1.8011, 0.2966

Inverse Universe

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



51.6257, 46.8600, 68.6143



75.5209, 66.2682, 103.4184



52.0271, 47.2487, 60.4230



12.7353, 12.5205, 15.6830



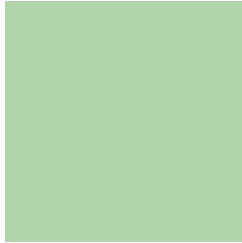
18.4376, 8.6574, 39.1524



1.1683, 0.5512, 2.3641

Previews

White Background



This preview shows how the XYZ color 49.2543, 59.4922, 47.4152 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 49.2543, 59.4922, 47.4152 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

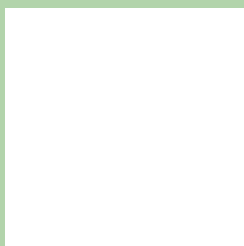
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.2543, 59.4922, 47.4152

Background



This preview shows how black text looks on a background with the XYZ color 49.2543, 59.4922, 47.4152.

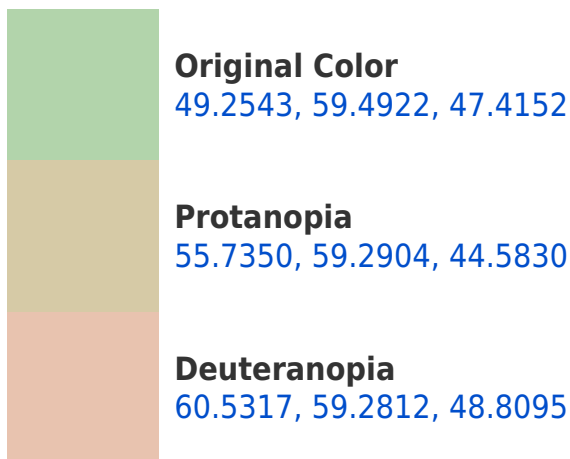


This preview shows how white text looks on a background with the XYZ color 49.2543, 59.4922,

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

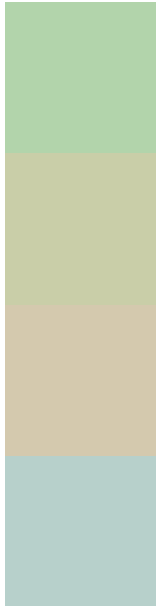




Tritanopia

55.1322, 59.3222, 76.9512

Trichromacy



Original Color

49.2543, 59.4922, 47.4152

Protanomaly

53.2266, 59.3873, 45.7033

Deuteranomaly

55.6780, 58.8263, 48.4645

Tritanomaly

52.8638, 59.4908, 65.1966

Monochromacy



Original Color

49.2543, 59.4922, 47.4152

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.4328, 56.8190, 55.8333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2543, 59.4922, 47.4152 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(178, 212, 171)` looks like.

```
.text, #text, p{  
    color:rgb(178, 212, 171)  
}
```

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(178, 212, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 212, 171) }
```

Border

The CSS property to change the border of an element to XYZ 49.2543, 59.4922, 47.4152 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(178, 212, 171) }
```


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

```
.border{ border-color:rgb(178, 212, 171) }
```

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

Here you see how a box with a 4 pixel rgb(178, 212, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 212, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 212, 171);  
box-shadow:4px 4px 4px 4px rgb(178, 212,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2543, 59.4922, 47.4152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 212, 171) }
```

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

```
.background{ background-color: rgb(178,  
212, 171) }
```

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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