

Converting Colors

XYZ(49.5224, 62.0592, 45.9279)

Have a look what the booklet for
XYZ(49.5224, 62.0592, 45.9279)
contains.

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Color

**XYZ(49.5020, 61.9315,
45.9042)**

Conversions

Conversions Part 1

Format	Color
Hex	AEDAA7
RGB	174, 218, 167
RGB Percent	68%, 85%, 65%
CMY	0.3176, 0.1451, 0.3451
CMYK	0.20, 0.00, 0.23, 0.15
HSL	112°, 41%, 75%
HSV	112°, 23%, 85%
XYZ	49.5020, 61.9315, 45.9042
YIQ	199.0300, -9.8530, -25.1890

Conversions

Conversions Part 2

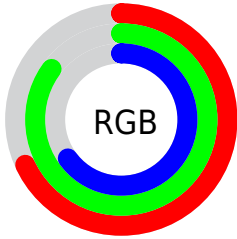
Format	Color
RYB	167, 218, 211
Decimal	11459239
CIELab	82.88, -23.91, 20.51
CIElCh	83, 31.503, 139.377
Yxy	61.9315, 0.3146, 0.3936
Android (android.graphics.Color)	4289649319 (0xFFAEDAA7)
YUV	199.0300, -15.7908, -21.9513
Hunter-Lab	78.6966, -25.4383, 20.5034

Details

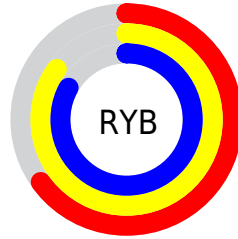
The XYZ color **49.5020, 61.9315, 45.9042** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53.3403, 46.5501, 72.5067**, and the grayscale version is **54.4037, 57.2369, 62.3310**.

A 20% lighter version of the original color is **81.5779, 93.6169, 82.8775**, and **24.0769, 31.4971, 21.0302** is the 20% darker color. If you saturate the color by 10%, you get **43.7535, 59.1834, 35.9871**, and if you desaturate by 10%, it is **56.1804, 65.1233, 57.6408**.

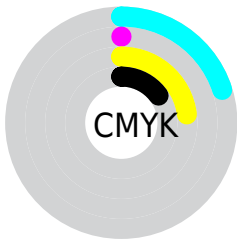
Distribution



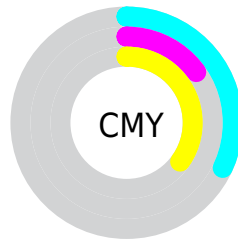
- Red (68%)
- Green (85%)
- Blue (65%)



- Red (65%)
- Yellow (85%)
- Blue (83%)



- Cyan (20%)
- Magenta (0%)
- Yellow (23%)
- Black (15%)





- Cyan (32%)
- Magenta (15%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5020, 61.9315, 45.9042 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 49.5020, 61.9315, 45.9042 by changing the saturation by 10% instead.


 49.5020, 61.9315,
45.9042


 49.5020, 61.9315,
45.9042


375.1995,
431.6812, 386.6898

 35.2340, 44.9774,
31.8221


 88.6328, 107.6265,
85.4084

 24.0106, 31.4396,
20.9620

 114.2264,
137.1362, 111.6675

 15.4662, 20.9338,
12.9052


144.3259,
171.5998, 142.8228

 9.2357, 13.0756,
7.2334

179.2966,
211.4018, 179.2928

 4.9536, 7.4806,
3.5278

219.5040,
256.9265, 221.4959

 2.2545, 3.7645,
1.3701

265.3134,

 0.7712, 1.5427,

308.5584, 269.8507

0.1182

317.0901,
366.6818, 324.7758

■ 0.0000, 0.3185,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.5020, 61.9315,
45.9042

■ 49.5020, 61.9315,
45.9042

■ 43.7535, 59.1834,
35.9871

■ 56.1804, 65.1233,
57.6408

■ 38.8886, 56.8518,
27.7946

■ 63.8224, 68.7690,
71.2773

■ 34.8647, 54.9185,
21.2295

■ 72.4660, 72.8883,
86.8942

■ 31.6332, 53.3610,
16.1832

■ 82.1460, 77.4973,
104.5662

■ 29.1409, 52.1543,
12.5338

■ 84.3626, 78.6253,
105.3375

■ 27.3277, 51.2707,
10.1410

■ 26.1234, 50.6775,
8.8347

■ 25.6056, 50.4200,
8.3825

Harmonies

Analogous

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



54.6386, 61.9315, 37.9575



49.5020, 61.9315, 45.9042



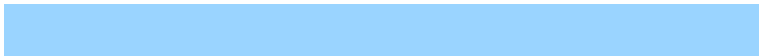
46.9440, 61.9315, 60.7734

Triad

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



49.5020, 61.9315, 45.9042



56.4903, 61.9315, 111.2530



72.0565, 61.9315, 55.7747

Complementary

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



49.5020, 61.9315, 45.9042



53.3403, 46.5501, 72.5067

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.



72.6482, 61.9315, 74.5619



49.5020, 61.9315, 45.9042



63.3019, 61.9315, 109.2038

Square

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



49.5020, 61.9315, 45.9042



50.7678, 61.9315, 99.9730



69.3378, 61.9315, 94.8184



67.7783, 61.9315, 42.8523

Rectangle

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



49.5020, 61.9315, 45.9042



46.9016, 61.9315, 73.7088



69.3378, 61.9315, 94.8184



72.7049, 61.9315, 61.5237

Sweetspot

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



49.5036, 61.9341, 45.9056



86.8673, 96.0984, 94.2062



59.0243, 63.9646, 45.7957



18.4493, 20.5004, 19.9068



0.0000, 0.0000, 0.0000



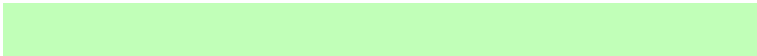
20.3446, 21.4041, 23.3091

Same Dimension

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



49.5036, 61.9341, 45.9056



66.4637, 86.3538, 58.2928



49.7509, 61.8576, 55.1352



13.0519, 14.6915, 13.8734



15.3922, 30.2325, 5.0242



1.0519, 1.9868, 0.3281

Inverse Universe

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



53.3403, 46.5501, 72.5067



72.8343, 60.7839, 102.5014



53.1773, 46.7217, 60.9533



13.4295, 13.1796, 16.4882



20.0867, 9.4793, 40.5094



1.3508, 0.6396, 2.6267

Previews

White Background



This preview shows how the XYZ color 49.5020, 61.9315, 45.9042 looks on a white background.

Color Contrast Check

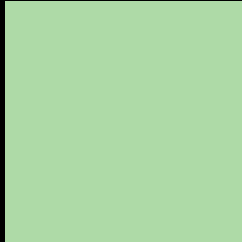
Large Text (above 18pt) WCAG AA × Fail

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 49.5020, 61.9315, 45.9042 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

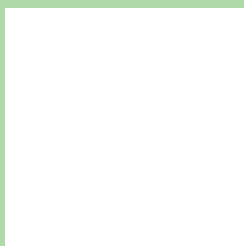
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.5020, 61.9315, 45.9042

Background



This preview shows how black text looks on a background with the XYZ color 49.5020, 61.9315, 45.9042.



This preview shows how white text looks on a background with the XYZ color 49.5020, 61.9315,

45.9042.

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

49.5020, 61.9315, 45.9042

Protanopia

57.4778, 61.2959, 42.5201

Deuteranopia

62.8047, 61.5056, 47.0897



Tritanopia

56.6789, 61.8296, 81.6201

Trichromacy



Original Color

49.5020, 61.9315, 45.9042

Protanomaly

54.2861, 61.4340, 43.6471

Deuteranomaly

57.1114, 61.0120, 46.7966

Tritanomaly

53.6361, 61.6996, 66.8399

Monochromacy



Original Color

49.5020, 61.9315, 45.9042

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

52.2762, 58.6776, 55.5844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5020, 61.9315, 45.9042 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(174, 218, 167)` looks like.

```
.text, #text, p{  
    color:rgb(174, 218, 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(174, 218, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 218, 167) }
```

Border

The CSS property to change the border of an element to XYZ 49.5020, 61.9315, 45.9042 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(174, 218, 167) }
```


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

```
.border{ border-color:rgb(174, 218, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 218, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 218, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 218, 167);  
box-shadow:4px 4px 4px 4px rgb(174, 218,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5020, 61.9315, 45.9042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 218, 167) }
```

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

```
.background{ background-color: rgb(174,  
218, 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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