

Converting Colors

XYZ(49.4294, 60.5578, 47.5140)

Have a look what the booklet for
XYZ(49.4294, 60.5578, 47.5140)
contains.

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Color

**XYZ(49.5556, 60.7713,
47.6462)**

Conversions

Conversions Part 1

Format	Color
Hex	B0D7AB
RGB	176, 215, 171
RGB Percent	69%, 84%, 67%
CMY	0.3098, 0.1568, 0.3294
CMYK	0.18, 0.00, 0.20, 0.16
HSL	113°, 35%, 76%
HSV	113°, 20%, 84%
XYZ	49.5556, 60.7713, 47.6462
YIQ	198.3230, -9.1200, -21.9520

Conversions

Conversions Part 2

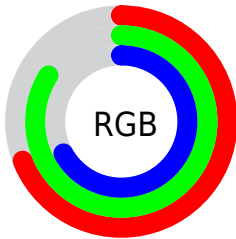
Format	Color
RYB	171, 215, 210
Decimal	11589547
CIELab	82.26, -21.09, 17.57
CIElCh	82, 27.446, 140.205
Yxy	60.7713, 0.3137, 0.3847
Android (android.graphics.Color)	4289779627 (0xFFB0D7AB)
YUV	198.3230, -13.4702, -19.5773
Hunter-Lab	77.9559, -22.9527, 18.3315

Details

The XYZ color **49.5556, 60.7713, 47.6462** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53.4096, 47.7355, 70.6921**, and the grayscale version is **53.9578, 56.7678, 61.8201**.

A 20% lighter version of the original color is **82.7662, 94.1668, 85.7653**, and **24.0690, 30.6845, 22.1069** is the 20% darker color. If you saturate the color by 10%, you get **43.6601, 57.9517, 37.5287**, and if you desaturate by 10%, it is **56.3927, 64.0413, 59.5504**.

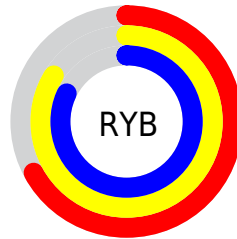
Distribution



Red (69%)

Green (84%)

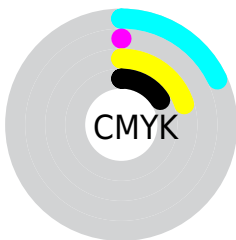
Blue (67%)



Red (67%)

Yellow (84%)

Blue (82%)

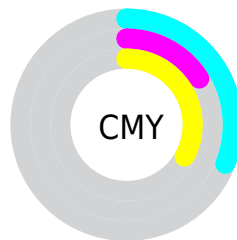


Cyan (18%)

Magenta (0%)

Yellow (20%)

Black (16%)



Cyan (31%)


Magenta (16%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5556, 60.7713, 47.6462 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 49.5556, 60.7713, 47.6462 by changing the saturation by 10% instead.


 49.5556, 60.7713,
47.6462

 49.5556, 60.7713,
47.6462


375.4063,
427.4350, 393.8562

 35.2768, 44.0406,
33.1888


 88.7119, 105.9477,
88.0375

 24.0437, 30.7024,
21.9988


114.3200,
135.1623, 114.8084

 15.4909, 20.3724,
13.6577


144.4353,
169.3069, 146.5209

 9.2532, 12.6660,
7.7470

179.4230,
208.7660, 183.5935

 4.9651, 7.1990,
3.8480

219.6487,
253.9239, 226.4449

 2.2614, 3.5868,
1.5423

265.4775,

 0.7748, 1.4452,

305.1652, 275.4934

0.2492

317.2750,
362.8740, 331.1576

■ 0.0000, 0.2497,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.5556, 60.7713,
47.6462

■ 49.5556, 60.7713,
47.6462

■ 43.6601, 57.9517,
37.5287

■ 56.3927, 64.0413,
59.5504

■ 38.6603, 55.5554,
29.1080

■ 64.2052, 67.7722,
73.3175

■ 34.5134, 53.5641,
22.2923

■ 73.0311, 71.9836,
89.0240

■ 31.1714, 51.9554,
16.9798

■ 82.5807, 76.5622,
105.0332

■ 28.5816, 50.7045,
13.0567

■ 83.5917, 77.0833,
105.0806

■ 26.6845, 49.7835,
10.3931

■ 25.4118, 49.1605,
8.8349

■ 24.6886, 48.8028,
8.1187

Harmonies

Analogous

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



53.9689, 60.7713, 40.3443



49.5556, 60.7713, 47.6462



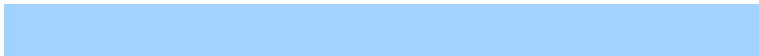
47.3870, 60.7713, 60.8479

Triad

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



49.5556, 60.7713, 47.6462



55.8719, 60.7713, 103.1904



68.9537, 60.7713, 55.6717

Complementary

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



49.5556, 60.7713, 47.6462



53.4096, 47.7355, 70.6921

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.



69.5489, 60.7713, 71.7929



49.5556, 60.7713, 47.6462



61.7273, 60.7713, 101.1726

Square

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



49.5556, 60.7713, 47.6462



50.8679, 60.7713, 94.0837



66.8262, 60.7713, 88.9619



65.2509, 60.7713, 44.4075

Rectangle

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



49.5556, 60.7713, 47.6462



47.3993, 60.7713, 72.0329



66.8262, 60.7713, 88.9619



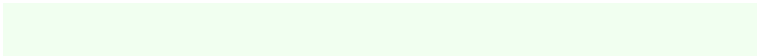
69.5331, 60.7713, 60.6335

Sweetspot

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



49.5572, 60.7739, 47.6475



87.8690, 96.5714, 96.2136



58.3914, 63.4177, 47.6922



18.6472, 20.5937, 20.3114



0.0000, 0.0000, 0.0000



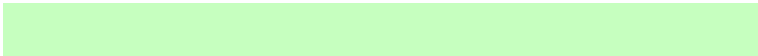
20.3446, 21.4041, 23.3091

Same Dimension

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



49.5572, 60.7739, 47.6475



68.6103, 87.3654, 62.6817



50.1597, 60.8867, 56.6119



12.3921, 13.9628, 13.2027



14.8112, 29.2118, 4.8578



0.9383, 1.7851, 0.2951

Inverse Universe

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



53.4096, 47.7355, 70.6921



75.3608, 64.5029, 103.0861



52.7978, 47.6578, 59.9251



12.8076, 12.5578, 15.6864



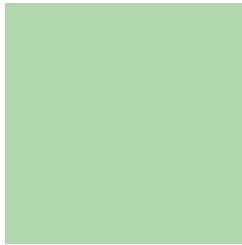
20.1807, 9.5560, 39.2340



1.2576, 0.5972, 2.3683

Previews

White Background



This preview shows how the XYZ color 49.5556, 60.7713, 47.6462 looks on a white background.

Color Contrast Check

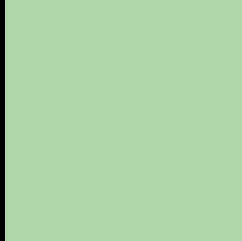
Large Text (above 18pt) WCAG AA × Fail

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 49.5556, 60.7713, 47.6462 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

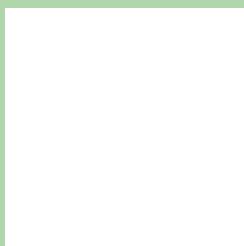
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.5556, 60.7713, 47.6462

Background



This preview shows how black text looks on a background with the XYZ color 49.5556, 60.7713, 47.6462.



This preview shows how white text looks on a background with the XYZ color 49.5556, 60.7713,

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

49.5556, 60.7713, 47.6462

Protanopia

56.7947, 60.5378, 44.7680

Deuteranopia

61.4095, 60.0674, 48.9150



Tritanopia

56.0180, 60.8079, 79.3056

Trichromacy



Original Color

49.5556, 60.7713, 47.6462

Protanomaly

53.7112, 60.3564, 45.8649

Deuteranomaly

56.4365, 59.9140, 48.6344

Tritanomaly

53.6051, 60.9414, 66.6952

Monochromacy



Original Color

49.5556, 60.7713, 47.6462

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

51.9052, 57.7637, 55.9908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5556, 60.7713, 47.6462 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(176, 215, 171)` looks like.

```
.text, #text, p{  
    color:rgb(176, 215, 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(176, 215, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 215, 171) }
```

Border

The CSS property to change the border of an element to XYZ 49.5556, 60.7713, 47.6462 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(176, 215, 171) }
```


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

```
.border{ border-color:rgb(176, 215, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 215, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 215, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 215, 171);  
box-shadow:4px 4px 4px 4px rgb(176, 215,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5556, 60.7713, 47.6462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 215, 171) }
```

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

```
.background{ background-color: rgb(176,  
215, 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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