

Converting Colors

XYZ(49.3892, 60.1079, 50.9727)

Have a look what the booklet for
XYZ(49.3892, 60.1079, 50.9727)
contains.

XYZ(49.5380, 60.3062, 51.1488)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.5380, 60.3062,
51.1488)**

Conversions

Conversions Part 1

Format	Color
Hex	AED6B2
RGB	174, 214, 178
RGB Percent	68%, 84%, 70%
CMY	0.3176, 0.1608, 0.3020
CMYK	0.19, 0.00, 0.17, 0.16
HSL	126°, 33%, 76%
HSV	126°, 19%, 84%
XYZ	49.5380, 60.3062, 51.1488
YIQ	197.9360, -12.2840, -19.6760

Conversions

Conversions Part 2

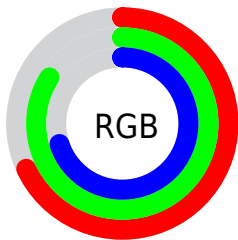
Format	Color
RYB	174, 210, 214
Decimal	11458226
CIELab	82.00, -20.05, 13.50
CIElCh	82, 24.173, 146.050
Yxy	60.3062, 0.3077, 0.3746
Android (android.graphics.Color)	4289648306 (0xFFAED6B2)
YUV	197.9360, -9.8284, -20.9919
Hunter-Lab	77.6571, -22.0334, 15.3086

Details

The XYZ color **49.5380, 60.3062, 51.1488** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.5026, 49.2227, 67.6038**, and the grayscale version is **53.7022, 56.4988, 61.5272**.

A 20% lighter version of the original color is **83.2444, 94.2835, 91.6530**, and **23.9850, 30.3419, 23.9945** is the 20% darker color. If you saturate the color by 10%, you get **43.3450, 57.3233, 41.4634**, and if you desaturate by 10%, it is **56.7655, 63.7944, 62.3026**.

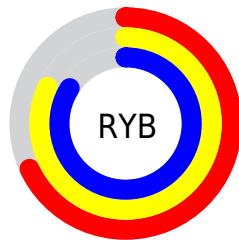
Distribution



Red (68%)

Green (84%)

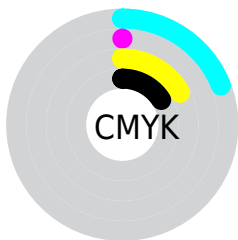
Blue (70%)



Red (68%)

Yellow (82%)

Blue (84%)

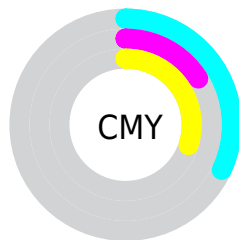


Cyan (19%)

Magenta (0%)

Yellow (17%)

Black (16%)



Cyan (32%)


Magenta (16%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5380, 60.3062, 51.1488 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 49.5380, 60.3062, 51.1488 by changing the saturation by 10% instead.


 49.5380, 60.3062,
51.1488

 49.5380, 60.3062,
51.1488


375.3384,
425.7255, 408.0047

 35.2627, 43.6655,
35.9495


 88.6859, 105.2737,
93.2884

 24.0328, 30.4076,
24.1058


114.2893,
134.3693, 121.0659

 15.4828, 20.1482,
15.1992


144.3994,
168.3853, 153.8730

 9.2475, 12.5028,
8.8111

179.3815,
207.7062, 192.1286

 4.9613, 7.0871,
4.5231

219.6012,
252.7162, 236.2509

 2.2591, 3.5166,
1.9165

265.4236,

 0.7736, 1.4070,

303.7998, 286.6587

0.5032

317.2143,
361.3415, 343.7705

0.0000, 0.2219,
0.0000

0.0000, 0.0000,
0.0000

49.5380, 60.3062,
51.1488

49.5380, 60.3062,
51.1488

43.3450, 57.3233,
41.4634

56.7655, 63.7944,
62.3026

38.1343, 54.8150,
33.1813

65.0666, 67.8019,
74.9780

33.8569, 52.7591,
26.2388

74.4844, 72.3513,
89.2308

30.4572, 51.1286,
20.5653

83.3378, 76.5755,
104.9959

■ 27.8740, 49.8934,
16.0843

■ 26.0381, 49.0197,
12.7104

■ 24.8685, 48.4679,
10.3474

■ 24.2468, 48.1792,
8.8813

■ 24.1869, 48.1512,
8.7485

Harmonies

Analogous

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



53.1056, 60.3062, 43.4596



49.5380, 60.3062, 51.1488



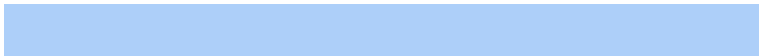
48.0523, 60.3062, 63.7410

Triad

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



49.5380, 60.3062, 51.1488



56.6441, 60.3062, 97.9807



66.6219, 60.3062, 54.0485

Complementary

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



49.5380, 60.3062, 51.1488



54.5026, 49.2227, 67.6038

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.



67.7070, 60.3062, 67.6237



49.5380, 60.3062, 51.1488



61.7500, 60.3062, 94.3749

Square

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



49.5380, 60.3062, 51.1488



51.9976, 60.3062, 91.9241



65.8754, 60.3062, 82.6924



62.9921, 60.3062, 44.9507

Rectangle

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



49.5380, 60.3062, 51.1488



48.3733, 60.3062, 73.7668



65.8754, 60.3062, 82.6924



67.3053, 60.3062, 58.1759

Sweetspot

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



49.5396, 60.3088, 51.1501



87.5050, 96.3574, 97.3862



58.2674, 64.8539, 49.4920



18.5616, 20.5433, 20.5873



0.0000, 0.0000, 0.0000



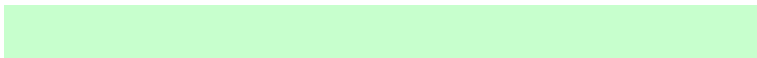
20.3446, 21.4041, 23.3091

Same Dimension

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



49.5396, 60.3088, 51.1501



70.2471, 88.0326, 70.7378



51.6970, 61.1717, 62.5107



12.3124, 13.9160, 13.4594



14.6364, 29.1099, 5.3812



0.9004, 1.7628, 0.4173

Inverse Universe

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



54.5026, 49.2227, 67.6038



78.8002, 68.9247, 99.0921



52.1637, 48.2872, 55.2877



12.8970, 12.6103, 15.3978



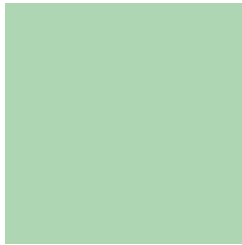
22.5750, 10.9663, 31.3957



1.3775, 0.6678, 1.9770

Previews

White Background



This preview shows how the XYZ color 49.5380, 60.3062, 51.1488 looks on a white background.

Color Contrast Check

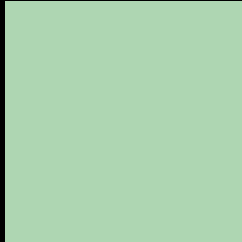
Large Text (above 18pt) WCAG AA × Fail

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 49.5380, 60.3062, 51.1488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

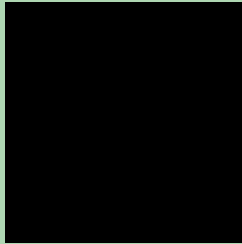
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

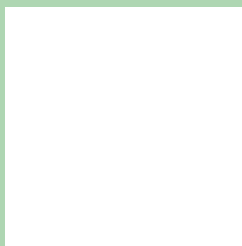
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.5380, 60.3062, 51.1488

Background



This preview shows how black text looks on a background with the XYZ color 49.5380, 60.3062, 51.1488.



This preview shows how white text looks on a background with the XYZ color 49.5380, 60.3062,

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

49.5380, 60.3062, 51.1488

Protanopia

56.5339, 59.9866, 47.6286

Deuteranopia

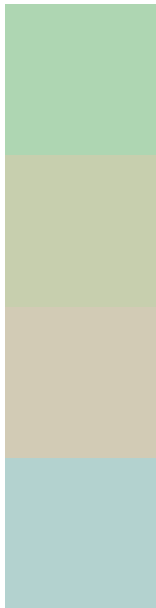
61.1384, 59.8462, 52.5851



Tritanopia

55.3018, 60.4387, 79.2721

Trichromacy



Original Color

49.5380, 60.3062, 51.1488

Protanomaly

53.5060, 59.8238, 48.7715

Deuteranomaly

56.2748, 59.7497, 52.2829

Tritanomaly

52.8995, 60.1819, 67.8596

Monochromacy



Original Color

49.5380, 60.3062, 51.1488

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

51.9831, 57.7661, 57.7004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5380, 60.3062, 51.1488 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, 214, 178)` looks like.

```
.text, #text, p{  
    color:rgb(174, 214, 178)  
}
```

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, 214, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 214, 178) }
```

Border

The CSS property to change the border of an element to XYZ 49.5380, 60.3062, 51.1488 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, 214, 178) }
```


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

```
.border{ border-color:rgb(174, 214, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 214, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 214, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 214, 178);  
box-shadow:4px 4px 4px 4px rgb(174, 214,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5380, 60.3062, 51.1488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 214, 178) }
```

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

```
.background{ background-color: rgb(174,  
214, 178) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor