

Converting Colors

XYZ(49.9621, 66.3579, 42.0229)

Have a look what the booklet for
XYZ(49.9621, 66.3579, 42.0229)
contains.

XYZ(49.9777, 66.2460, 42.0509)	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(49.9777, 66.2460,
42.0509)**

Conversions

Conversions Part 1

Format	Color
Hex	A8E49D
RGB	168, 228, 157
RGB Percent	66%, 89%, 62%
CMY	0.3412, 0.1059, 0.3843
CMYK	0.26, 0.00, 0.31, 0.11
HSL	111°, 57%, 75%
HSV	111°, 31%, 89%
XYZ	49.9777, 66.2460, 42.0509
YIQ	201.9660, -12.9690, -34.8010

Conversions

Conversions Part 2

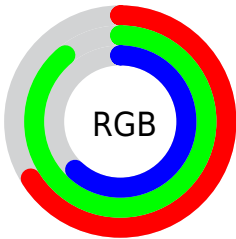
Format	Color
RYB	157, 228, 217
Decimal	11068573
CIELab	85.12, -32.30, 28.70
CIELCh	85, 43.211, 138.379
Yxy	66.2460, 0.3158, 0.4186
Android (android.graphics.Color)	4289258653 (0xFFA8E49D)
YUV	201.9660, -22.1682, -29.7882
Hunter-Lab	81.3916, -32.8293, 26.3420

Details

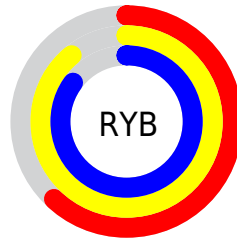
The XYZ color **49.9777, 66.2460, 42.0509** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.6786, 44.4690, 79.1038**, and the grayscale version is **56.2590, 59.1889, 64.4567**.

A 20% lighter version of the original color is **78.3841, 92.1208, 75.9372**, and **24.2418, 34.1024, 18.6693** is the 20% darker color. If you saturate the color by 10%, you get **44.4076, 63.5808, 32.5599**, and if you desaturate by 10%, it is **56.5224, 69.3756, 53.4864**.

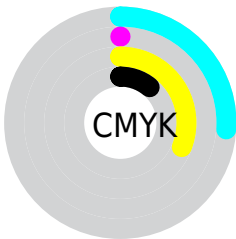
Distribution



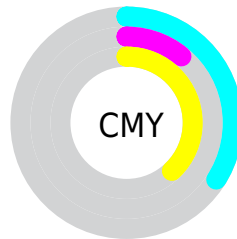
- Red (66%)
- Green (89%)
- Blue (62%)



- Red (62%)
- Yellow (89%)
- Blue (85%)



- Cyan (26%)
- Magenta (0%)
- Yellow (31%)
- Black (11%)



- Cyan (34%)
- Magenta (11%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9777, 66.2460, 42.0509 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 49.9777, 66.2460, 42.0509 by changing the saturation by 10% instead.


 49.9777, 66.2460,
42.0509


 49.9777, 66.2460,
42.0509

377.0322,
447.2561, 370.4998

 35.6134, 48.4721,
28.8153


 89.3339, 113.8393,
79.5476

 24.3045, 34.2009,
18.6968


 115.0564,
144.4276, 104.6457

 15.6856, 23.0480,
11.2768


145.2958,
180.0561, 134.5351

 9.3914, 14.6290,
6.1368

180.4173,
221.1092, 169.6343

 5.0565, 8.5594,
2.8583

220.7864,
267.9714, 210.3618

 2.3155, 4.4549,
1.0228

266.7683,

 0.8026, 1.9312,

321.0270, 257.1362

0.0000

318.7284,
380.6605, 310.3760

0.0000, 0.5670,
0.0000

0.0000, 0.0000,
0.0000

49.9777, 66.2460,
42.0509

49.9777, 66.2460,
42.0509

44.4076, 63.5808,
32.5599

56.5224, 69.3756,
53.4864

39.7601, 61.3496,
24.9011

64.0802, 72.9813,
66.9617

35.9860, 59.5316,
18.9576

72.6939, 77.0853,
82.5707

33.0294, 58.1009,
14.5972

82.4021, 81.7054,
100.4007

■ 30.8279, 57.0285,
11.6683

■ 87.0347, 83.9695,
106.2282

■ 29.3091, 56.2812,
9.9898

■ 28.4488, 55.8524,
9.2812

Harmonies

Analogous

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



57.2431, 66.2460, 32.2673



49.9777, 66.2460, 42.0509



46.3458, 66.2460, 61.8575

Triad

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



49.9777, 66.2460, 42.0509



59.2674, 66.2460, 138.4470



82.4604, 66.2460, 56.5079

Complementary

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



49.9777, 66.2460, 42.0509



54.6786, 44.4690, 79.1038

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.



83.1462, 66.2460, 83.4825



49.9777, 66.2460, 42.0509



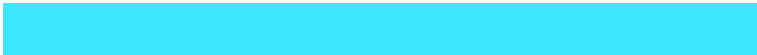
69.0557, 66.2460, 135.9353

Square

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



49.9777, 66.2460, 42.0509



51.3277, 66.2460, 120.1094



78.0269, 66.2460, 113.9384



76.2400, 66.2460, 39.0079

Rectangle

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



49.9777, 66.2460, 42.0509



46.1959, 66.2460, 80.2312



78.0269, 66.2460, 113.9384



83.3679, 66.2460, 64.5946

Sweetspot

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



49.9794, 66.2488, 42.0524



84.7937, 95.1144, 90.2710



62.6822, 68.1286, 41.7457



17.8173, 20.2001, 18.7233



0.0000, 0.0000, 0.0000



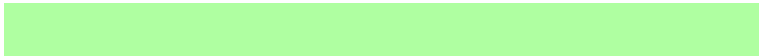
20.3446, 21.4041, 23.3091

Same Dimension

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



49.9794, 66.2488, 42.0524



59.9011, 83.2256, 46.4636



49.9564, 65.9804, 53.6411



14.3962, 16.1958, 15.2718



16.4895, 32.2821, 5.3620



1.2827, 2.4186, 0.3992

Inverse Universe

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



54.6786, 44.4690, 79.1038



66.7996, 51.1802, 100.9658



54.9934, 44.9853, 63.1236



14.7643, 14.4962, 18.1642



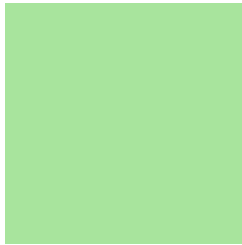
20.8206, 9.7993, 43.1773



1.5980, 0.7548, 3.1934

Previews

White Background



This preview shows how the XYZ color 49.9777, 66.2460, 42.0509 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 49.9777, 66.2460, 42.0509 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 49.9777, 66.2460, 42.0509

Background



This preview shows how black text looks on a background with the XYZ color 49.9777, 66.2460, 42.0509.



This preview shows how white text looks on a background with the XYZ color 49.9777, 66.2460,

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

49.9777, 66.2460, 42.0509

Protanopia

61.0434, 65.7830, 38.3342

Deuteranopia

66.9444, 65.4602, 43.2892



Tritanopia

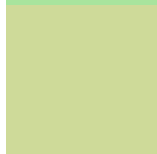
59.1229, 65.9647, 88.2136

Trichromacy



Original Color

49.9777, 66.2460, 42.0509



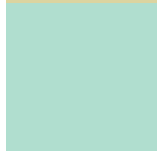
Protanomaly

56.2748, 65.5645, 39.8262



Deuteranomaly

59.4038, 64.8407, 42.6423



Tritanomaly

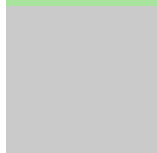
55.2883, 65.9777, 68.8524

Monochromacy



Original Color

49.9777, 66.2460, 42.0509



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

53.3924, 61.0809, 55.4301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9777, 66.2460, 42.0509 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(168, 228, 157)` looks like.

```
.text, #text, p{  
    color:rgb(168, 228, 157)  
}
```

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(168, 228, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 228, 157) }
```

Border

The CSS property to change the border of an element to XYZ 49.9777, 66.2460, 42.0509 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(168, 228, 157) }
```


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

```
.border{ border-color:rgb(168, 228, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 228, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 228, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 228, 157);  
box-shadow:4px 4px 4px 4px rgb(168, 228,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9777, 66.2460, 42.0509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 228, 157) }
```

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

```
.background{ background-color: rgb(168,  
228, 157) }
```

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