

Converting Colors

XYZ(49.7745, 67.5262, 42.8606)

Have a look what the booklet for
XYZ(49.7745, 67.5262, 42.8606)
contains.

XYZ(49.6478, 67.3018, 42.7216)	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(49.6478, 67.3018,
42.7216)**

Conversions

Conversions Part 1

Format	Color
Hex	A2E79E
RGB	162, 231, 158
RGB Percent	64%, 91%, 62%
CMY	0.3647, 0.0941, 0.3804
CMYK	0.30, 0.00, 0.32, 0.09
HSL	117°, 60%, 76%
HSV	117°, 32%, 91%
XYZ	49.6478, 67.3018, 42.7216
YIQ	202.0470, -17.6910, -37.3310

Conversions

Conversions Part 2

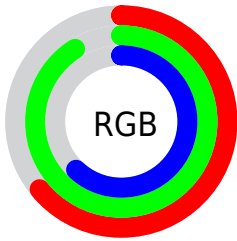
Format	Color
RYB	158, 231, 227
Decimal	10676126
CIELab	85.66, -35.50, 28.85
CIElCh	86, 45.742, 140.895
Yxy	67.3018, 0.3109, 0.4215
Android (android.graphics.Color)	4288866206 (0xFFA2E79E)
YUV	202.0470, -21.7152, -35.1212
Hunter-Lab	82.0377, -35.5408, 26.5508

Details

The XYZ color **49.6478, 67.3018, 42.7216** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **58.3320, 46.5561, 81.5165**, and the grayscale version is **56.3090, 59.2414, 64.5139**.

A 20% lighter version of the original color is **76.6837, 91.2295, 76.5182**, and **24.1158, 34.8887, 19.0988** is the 20% darker color. If you saturate the color by 10%, you get **43.7867, 64.4908, 33.0256**, and if you desaturate by 10%, it is **56.6562, 70.6650, 54.4250**.

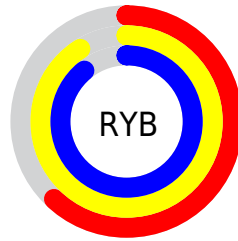
Distribution



Red (64%)

Green (91%)

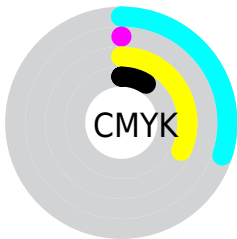
Blue (62%)



Red (62%)

Yellow (91%)

Blue (89%)

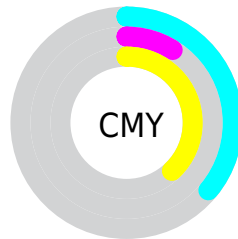


Cyan (30%)

Magenta (0%)

Yellow (32%)

Black (9%)



Cyan (36%)

Magenta (9%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6478, 67.3018, 42.7216 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 49.6478, 67.3018, 42.7216 by changing the saturation by 10% instead.


 49.6478, 67.3018,
42.7216


 49.6478, 67.3018,
42.7216


375.7618,
451.0183, 373.3531

 35.3503, 49.3299,
29.3370


 88.8478, 115.3528,
80.5724

 24.1006, 34.8813,
19.0881


 114.4809,
146.2006, 105.8757

 15.5334, 23.5714,
11.5565


144.6234,
182.1093, 135.9889

 9.2833, 15.0160,
6.3236

179.6404,
223.4631, 171.3306

 4.9850, 8.8306,
2.9709

219.8974,
270.6466, 212.3193

 2.2732, 4.6309,
1.0798


265.7597,

 0.7809, 2.0324,


324.0440, 259.3736


0.0000


317.5928,
384.0397, 312.9120


 0.0000, 0.6262,
0.0000


 0.0000, 0.0000,
0.0000


 49.6478, 67.3018,
42.7216


 49.6478, 67.3018,
42.7216


 43.7867, 64.4908,
33.0256

 56.6562, 70.6650,
54.4250


 39.0071, 62.1946,
25.2202

 64.8632, 74.5987,
68.2350

 35.2441, 60.3845,
19.1833

 74.3228, 79.1306,
84.2495

 32.4241, 59.0253,
14.7768

 85.0848, 84.2845,
102.5592

■ 30.4632, 58.0774,
11.8422

■ 87.8672, 85.6344,
106.5057

■ 29.2630, 57.4940,
10.1893

■ 28.7381, 57.2374,
9.5333

Harmonies

Analogous

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



57.0860, 67.3018, 31.6856



49.6478, 67.3018, 42.7216



46.1561, 67.3018, 64.5706

Triad

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



49.6478, 67.3018, 42.7216



60.8501, 67.3018, 145.7850



84.5692, 67.3018, 54.6629

Complementary

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



49.6478, 67.3018, 42.7216



58.3320, 46.5561, 81.5165

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.



85.8586, 67.3018, 82.7398



49.6478, 67.3018, 42.7216



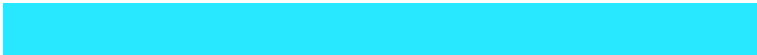
71.3827, 67.3018, 141.0133

Square

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



49.6478, 67.3018, 42.7216



52.1460, 67.3018, 127.4278



80.8076, 67.3018, 115.7533



77.4548, 67.3018, 37.1660

Rectangle

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



49.6478, 67.3018, 42.7216



46.2436, 67.3018, 84.6681



80.8076, 67.3018, 115.7533



85.7265, 67.3018, 62.9621

Sweetspot

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



49.6495, 67.3047, 42.7231



84.0372, 94.7244, 90.2356



66.3621, 73.9261, 43.1203



17.6327, 20.1049, 18.7147



0.0000, 0.0000, 0.0000



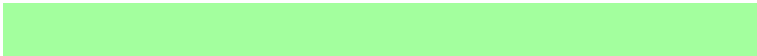
20.3446, 21.4041, 23.3091

Same Dimension

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



49.6495, 67.3047, 42.7231



57.1281, 81.8218, 45.1751



51.9328, 68.1256, 58.9197



14.2620, 16.1266, 15.2655



16.1425, 32.1032, 5.3457



1.2188, 2.3857, 0.3962

Inverse Universe

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



58.3320, 46.5561, 81.5165



69.6079, 51.9750, 100.9712



55.5356, 45.5850, 60.1303



14.9130, 14.5729, 18.1712



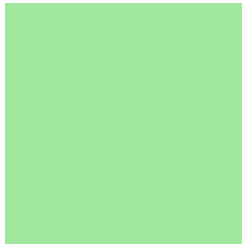
24.3888, 11.6388, 43.3442



1.8262, 0.8724, 3.2041

Previews

White Background



This preview shows how the XYZ color 49.6478, 67.3018, 42.7216 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 49.6478, 67.3018, 42.7216 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

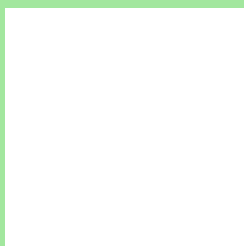
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6478, 67.3018, 42.7216

Background



This preview shows how black text looks on a background with the XYZ color 49.6478, 67.3018, 42.7216.



This preview shows how white text looks on a background with the XYZ color 49.6478, 67.3018,

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

49.6478, 67.3018, 42.7216

Protanopia

61.9324, 66.6135, 38.4477

Deuteranopia

67.9565, 66.6670, 44.4083



Tritanopia

59.3409, 67.1750, 91.4998

Trichromacy



Original Color

49.6478, 67.3018, 42.7216



Protanomaly

56.5198, 66.4654, 39.9872



Deuteranomaly

59.4816, 65.6072, 43.7109



Tritanomaly

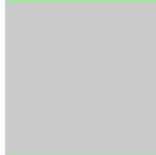
55.3527, 67.1615, 71.0188

Monochromacy



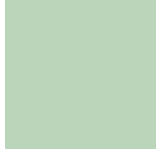
Original Color

49.6478, 67.3018, 42.7216



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

53.1507, 61.6985, 55.5620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6478, 67.3018, 42.7216 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(162, 231, 158)` looks like.

```
.text, #text, p{  
    color:rgb(162, 231, 158)  
}
```

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(162, 231, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 231, 158) }
```

Border

The CSS property to change the border of an element to XYZ 49.6478, 67.3018, 42.7216 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(162, 231, 158) }
```


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

```
.border{ border-color:rgb(162, 231, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 231, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 231, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 231, 158);  
box-shadow:4px 4px 4px 4px rgb(162, 231,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6478, 67.3018, 42.7216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 231, 158) }
```

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

```
.background{ background-color: rgb(162,  
231, 158) }
```

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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