

Converting Colors

XYZ(48.9429, 66.0072, 46.5058)

Have a look what the booklet for
XYZ(48.9429, 66.0072, 46.5058)
contains.

XYZ(48.8990, 65.9967, 46.7206)	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(48.8990, 65.9967,
46.7206)**

Conversions

Conversions Part 1

Format	Color
Hex	9DE5A7
RGB	157, 229, 167
RGB Percent	62%, 90%, 65%
CMY	0.3843, 0.1019, 0.3451
CMYK	0.31, 0.00, 0.27, 0.10
HSL	128°, 58%, 76%
HSV	128°, 31%, 90%
XYZ	48.8990, 65.9967, 46.7206
YIQ	200.4040, -23.0100, -34.5460

Conversions

Conversions Part 2

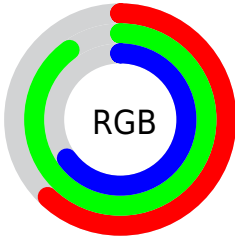
Format	Color
RYB	157, 220, 229
Decimal	10347943
CIELab	84.99, -34.68, 23.28
CIELCh	85, 41.768, 146.129
Yxy	65.9967, 0.3026, 0.4084
Android (android.graphics.Color)	4288538023 (0xFF9DE5A7)
YUV	200.4040, -16.4682, -38.0653
Hunter-Lab	81.2384, -34.7244, 22.7689

Details

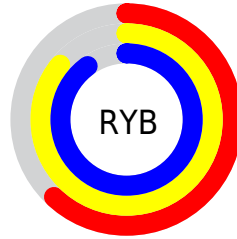
The XYZ color **48.8990, 65.9967, 46.7206** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **57.1585, 45.8879, 72.8652**, and the grayscale version is **55.2588, 58.1366, 63.3107**.

A 20% lighter version of the original color is **76.3854, 90.9401, 82.6345**, and **23.6316, 34.0085, 21.5384** is the 20% darker color. If you saturate the color by 10%, you get **43.1568, 63.2332, 37.6507**, and if you desaturate by 10%, it is **55.7600, 69.3086, 57.2968**.

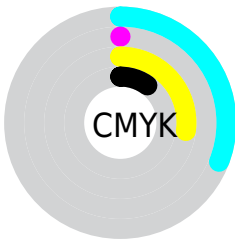
Distribution



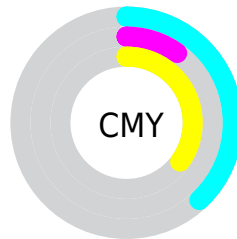
- Red (62%)
- Green (90%)
- Blue (65%)



- Red (62%)
- Yellow (86%)
- Blue (90%)



- Cyan (31%)
- Magenta (0%)
- Yellow (27%)
- Black (10%)





- Cyan (38%)
- Magenta (10%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8990, 65.9967, 46.7206 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 48.8990, 65.9967, 46.7206 by changing the saturation by 10% instead.

 48.8990, 65.9967,
46.7206


 48.8990, 65.9967,
46.7206


372.8681,
446.3651, 390.0596

 34.7536, 48.2697,
32.4621


 87.7431, 113.4816,
86.6420

 23.6387, 34.0405,
21.4469


 113.1724,
144.0083, 113.1420

 15.1891, 22.9247,
13.2567

143.0937,
179.5704, 144.5595

 9.0394, 14.5379,
7.4727

177.8725,
220.5522, 181.3132

 4.8242, 8.4958,
3.6766

217.8739,
267.3382, 223.8215

 2.1782, 4.4138,
1.4496

263.4634,

 0.7312, 1.9076,

320.3128, 272.5029

0.1800

315.0064,
379.8603, 327.7761

0.0000, 0.5529,
0.0000

0.0000, 0.0000,
0.0000

48.8990, 65.9967,
46.7206

48.8990, 65.9967,
46.7206

43.1568, 63.2332,
37.6507

55.7600, 69.3086,
57.2968

38.4689, 60.9807,
30.0144

63.7897, 73.1876,
69.4388

34.7719, 59.2099,
23.7395

73.0411, 77.6617,
83.2082

31.9936, 57.8853,
18.7460

83.5626, 82.7546,
98.6622

■ 30.0517, 56.9663,
14.9453

■ 87.3106, 84.5211,
106.3202

■ 28.8487, 56.4048,
12.2376

■ 28.2787, 56.1444,
10.6993

Harmonies

Analogous

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



55.1077, 65.9967, 34.7137



48.8990, 65.9967, 46.7206



46.3829, 65.9967, 68.4240

Triad

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



48.8990, 65.9967, 46.7206



61.5167, 65.9967, 136.7833



80.3749, 65.9967, 51.4076

Complementary

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



48.8990, 65.9967, 46.7206



57.1585, 45.8879, 72.8652

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.



82.5219, 65.9967, 75.4074



48.8990, 65.9967, 46.7206



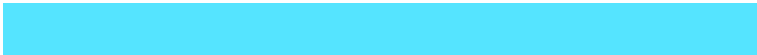
71.0201, 65.9967, 129.0007

Square

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



48.8990, 65.9967, 46.7206



53.1934, 65.9967, 123.9120



78.9453, 65.9967, 104.7033



73.3386, 65.9967, 36.9079

Rectangle

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



48.8990, 65.9967, 46.7206



46.9324, 65.9967, 87.2023



78.9453, 65.9967, 104.7033



81.7207, 65.9967, 58.4304

Sweetspot

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



48.9007, 65.9995, 46.7221



84.0847, 94.6961, 92.6238



63.4416, 73.5983, 42.7611



17.6444, 20.0981, 19.2969



0.0000, 0.0000, 0.0000



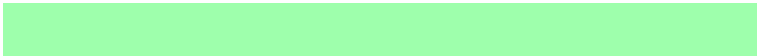
20.3446, 21.4041, 23.3091

Same Dimension

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



48.9007, 65.9995, 46.7221



57.2843, 81.7609, 51.5700



52.6578, 67.5023, 66.5063



14.2704, 16.1216, 15.6889



16.1933, 32.1094, 6.2523



1.2226, 2.3832, 0.5990

Inverse Universe

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



57.1585, 45.8879, 72.8652



69.4421, 52.1311, 90.0461



52.9610, 44.2089, 50.7616



14.9045, 14.5790, 17.6974



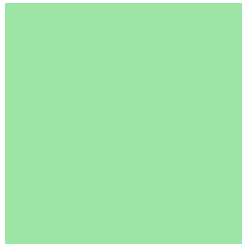
24.2835, 11.8476, 31.4514



1.8183, 0.8850, 2.4496

Previews

White Background



This preview shows how the XYZ color 48.8990, 65.9967, 46.7206 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 48.8990, 65.9967, 46.7206 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 48.8990, 65.9967, 46.7206

Background



This preview shows how black text looks on a background with the XYZ color 48.8990, 65.9967, 46.7206.

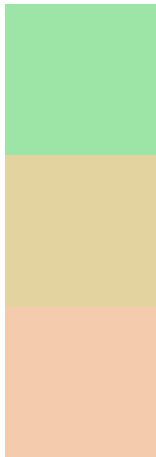


This preview shows how white text looks on a background with the XYZ color 48.8990, 65.9967,

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

48.8990, 65.9967, 46.7206

Protanopia

60.9163, 65.2605, 42.1868

Deuteranopia

66.5549, 65.1415, 48.6009



Tritanopia

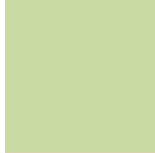
57.4568, 65.8469, 89.8022

Trichromacy



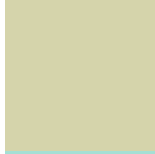
Original Color

48.8990, 65.9967, 46.7206



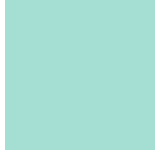
Protanomaly

55.6804, 65.1689, 43.8266



Deuteranomaly

58.3347, 64.1734, 47.8402



Tritanomaly

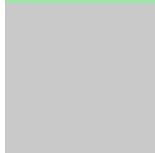
53.7884, 65.5282, 72.1006

Monochromacy



Original Color

48.8990, 65.9967, 46.7206



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.1385, 60.4097, 56.4892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8990, 65.9967, 46.7206 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(157, 229, 167)` looks like.

```
.text, #text, p{  
    color:rgb(157, 229, 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(157, 229, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 229, 167) }
```

Border

The CSS property to change the border of an element to XYZ 48.8990, 65.9967, 46.7206 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(157, 229, 167) }
```


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

```
.border{ border-color:rgb(157, 229, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 229, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 229, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 229, 167); box-shadow:4px 4px 4px 4px rgb(157, 229, 167) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8990, 65.9967, 46.7206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 229, 167) }
```

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

```
.background{ background-color: rgb(157,  
229, 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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