

Converting Colors

XYZ(48.7566, 54.7095, 49.0699)

Have a look what the booklet for
XYZ(48.7566, 54.7095, 49.0699)
contains.

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Color

**XYZ(48.7534, 54.5462,
49.0332)**

Conversions

Conversions Part 1

Format	Color
Hex	BBC7B0
RGB	187, 199, 176
RGB Percent	73%, 78%, 69%
CMY	0.2667, 0.2196, 0.3098
CMYK	0.06, 0.00, 0.12, 0.22
HSL	91°, 17%, 74%
HSV	91°, 12%, 78%
XYZ	48.7534, 54.5462, 49.0332
YIQ	192.7900, 0.2310, -9.6970

Conversions

Conversions Part 2

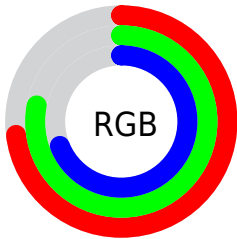
Format	Color
RYB	176, 199, 188
Decimal	12306352
CIELab	78.78, -8.29, 10.11
CIElCh	79, 13.074, 129.330
Yxy	54.5462, 0.3200, 0.3581
Android (android.graphics.Color)	4290496432 (0xFFBBC7B0)
YUV	192.7900, -8.2775, -5.0778
Hunter-Lab	73.8554, -11.4156, 12.3357

Details

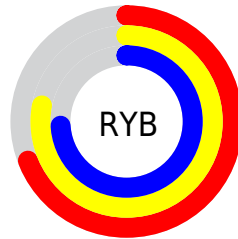
The XYZ color **48.7534, 54.5462, 49.0332** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.5753, 45.8671, 60.4341**, and the grayscale version is **50.6135, 53.2493, 57.9885**.

A 20% lighter version of the original color is **87.2876, 96.4009, 90.3506**, and **23.5321, 26.7492, 22.6617** is the 20% darker color. If you saturate the color by 10%, you get **44.4780, 52.5548, 39.2973**, and if you desaturate by 10%, it is **53.5042, 56.7525, 60.3005**.

Distribution



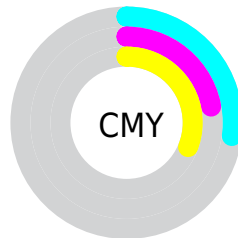
- Red (73%)
- Green (78%)
- Blue (69%)



- Red (69%)
- Yellow (78%)
- Blue (74%)



- Cyan (6%)
- Magenta (0%)
- Yellow (12%)
- Black (22%)





- Cyan (27%)
- Magenta (22%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7534, 54.5462, 49.0332 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 48.7534, 54.5462, 49.0332 by changing the saturation by 10% instead.


 48.7534, 54.5462,
49.0332

 48.7534, 54.5462,
49.0332


372.3038,
404.1894, 399.4992

 34.6376, 39.0385,
34.2800


 87.5280, 96.8757,
90.1223

 23.5491, 26.7897,
22.8297


112.9176,
124.4664, 117.2952

 15.1224, 17.4153,
14.2637


142.7958,
156.8535, 149.4452

 8.9922, 10.5311,
8.1635

177.5280,
194.4214, 186.9907

 4.7932, 5.7525,
4.1104

217.4795,
237.5546, 230.3504

 2.1599, 2.6952,
1.6861

263.0157,

 0.7215, 0.9747,

286.6374, 279.9426

0.3512

314.5021,
342.0542, 336.1861

■ 0.0000, 0.0000,
0.0000

■ 48.7534, 54.5462,
49.0332

■ 48.7534, 54.5462,
49.0332

■ 44.4780, 52.5548,
39.2973

■ 53.5042, 56.7525,
60.3005

■ 40.6572, 50.7643,
31.0230

■ 58.7415, 59.1733,
73.1575

■ 37.2751, 49.1696,
24.1408

■ 64.4815, 61.8172,
87.6642

■ 34.3130, 47.7627,
18.5737

■ 70.6408, 64.6513,
103.3635

■ 31.7506, 46.5351,
14.2376

■ 74.0455, 66.4065,
103.5229

■ 29.5658, 45.4773,
11.0383

■ 77.6515, 68.2655,
103.6916

■ 27.7334, 44.5788,
8.8684

■ 79.7145, 69.3290,
103.7882

■ 26.2242, 43.8273,
7.5994

■ 25.1603, 43.2904,
7.0298

Harmonies

Analogous

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



51.0418, 54.5462, 46.4061



48.7534, 54.5462, 49.0332



47.3255, 54.5462, 54.5003

Triad

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



48.7534, 54.5462, 49.0332



50.1073, 54.5462, 73.7525



56.9130, 54.5462, 57.1104

Complementary

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



48.7534, 54.5462, 49.0332



46.5753, 45.8671, 60.4341

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.



56.6425, 54.5462, 64.5670



48.7534, 54.5462, 49.0332



52.6557, 54.5462, 74.5981

Square

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



48.7534, 54.5462, 49.0332



48.0889, 54.5462, 68.8922



55.0636, 54.5462, 71.1147



55.7908, 54.5462, 50.8072

Rectangle

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



48.7534, 54.5462, 49.0332



47.0249, 54.5462, 59.2249



55.0636, 54.5462, 71.1147



56.9827, 54.5462, 59.5585

Sweetspot

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



48.7549, 54.5486, 49.0344



92.3891, 98.7677, 102.4738



49.3500, 51.1954, 48.3558



19.6257, 21.0711, 21.5753



0.0000, 0.0000, 0.0000



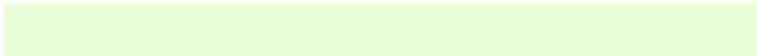
20.3446, 21.4041, 23.3091

Same Dimension

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



48.7549, 54.5486, 49.0344



83.3010, 94.5467, 81.0840



46.2040, 53.2291, 49.1133



10.9719, 12.1324, 11.3263



16.2777, 27.8868, 4.5248



0.8543, 1.3635, 0.2182

Inverse Universe

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



46.5753, 45.8671, 60.4341



78.6960, 76.2046, 105.1690



49.3449, 47.3000, 60.3316



10.5759, 10.5552, 13.3974



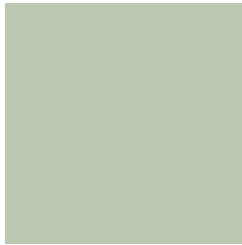
10.3899, 4.5904, 35.0828



0.5753, 0.2603, 1.6651

Previews

White Background



This preview shows how the XYZ color 48.7534, 54.5462, 49.0332 looks on a white background.

Color Contrast Check

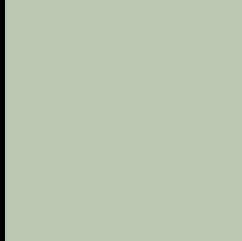
Large Text (above 18pt) WCAG AA × Fail

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 48.7534, 54.5462, 49.0332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

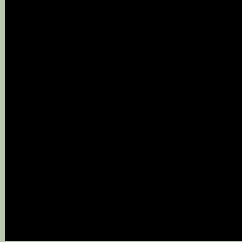
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

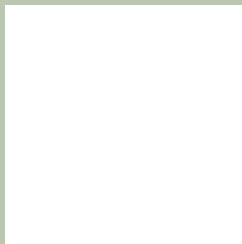
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.7534, 54.5462, 49.0332

Background



This preview shows how black text looks on a background with the XYZ color 48.7534, 54.5462, 49.0332.



This preview shows how white text looks on a background with the XYZ color 48.7534, 54.5462,

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

48.7534, 54.5462, 49.0332

Protanopia

51.4632, 54.2972, 47.3032

Deuteranopia

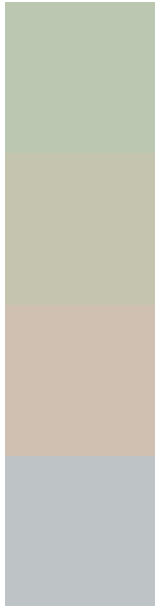
55.5343, 54.3964, 49.6921



Tritanopia

52.6629, 54.4432, 68.7057

Trichromacy



Original Color

48.7534, 54.5462, 49.0332

Protanomaly

50.4059, 54.4062, 47.8892

Deuteranomaly

52.7979, 54.2835, 49.2900

Tritanomaly

51.1682, 54.5042, 61.2496

Monochromacy



Original Color

48.7534, 54.5462, 49.0332

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.9706, 53.6944, 54.7440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7534, 54.5462, 49.0332 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(187, 199, 176)` looks like.

```
.text, #text, p{  
    color:rgb(187, 199, 176)  
}
```

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(187, 199, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 199, 176) }
```

Border

The CSS property to change the border of an element to XYZ 48.7534, 54.5462, 49.0332 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(187, 199, 176) }
```


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

```
.border{ border-color:rgb(187, 199, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 199, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 199, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 199, 176);  
box-shadow:4px 4px 4px 4px rgb(187, 199,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7534, 54.5462, 49.0332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 199, 176) }
```

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

```
.background{ background-color: rgb(187,  
199, 176) }
```

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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