

Converting Colors

XYZ(50.8784, 64.9590, 48.4399)

Have a look what the booklet for
XYZ(50.8784, 64.9590, 48.4399)
contains.

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Color

**XYZ(50.8009, 64.9095,
48.3794)**

Conversions

Conversions Part 1

Format	Color
Hex	ABE0AB
RGB	171, 224, 171
RGB Percent	67%, 88%, 67%
CMY	0.3294, 0.1215, 0.3294
CMYK	0.24, 0.00, 0.24, 0.12
HSL	120°, 46%, 77%
HSV	120°, 24%, 88%
XYZ	50.8009, 64.9095, 48.3794
YIQ	202.1110, -14.5750, -27.7190

Conversions

Conversions Part 2

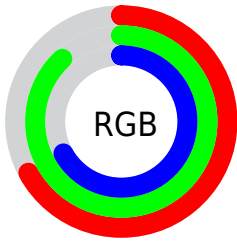
Format	Color
RYB	171, 224, 224
Decimal	11264171
CIELab	84.44, -27.15, 20.55
CIELCh	84, 34.050, 142.872
Yxy	64.9095, 0.3096, 0.3956
Android (android.graphics.Color)	4289454251 (0xFFABE0AB)
YUV	202.1110, -15.3377, -27.2843
Hunter-Lab	80.5664, -28.4387, 20.7934

Details

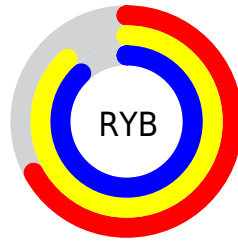
The XYZ color **50.8009, 64.9095, 48.3794** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **58.7601, 50.3563, 77.1464**, and the grayscale version is **56.3089, 59.2414, 64.5139**.

A 20% lighter version of the original color is **81.1660, 93.3419, 85.6904**, and **24.9890, 33.5594, 22.6133** is the 20% darker color. If you saturate the color by 10%, you get **44.3717, 61.8231, 37.8619**, and if you desaturate by 10%, it is **58.4223, 68.5724, 60.8442**.

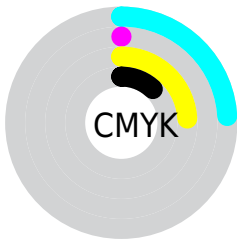
Distribution



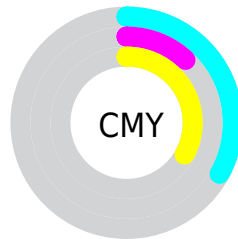
- Red (67%)
- Green (88%)
- Blue (67%)



- Red (67%)
- Yellow (88%)
- Blue (88%)



- Cyan (24%)
- Magenta (0%)
- Yellow (24%)
- Black (12%)





- Cyan (33%)
- Magenta (12%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8009, 64.9095, 48.3794 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 50.8009, 64.9095, 48.3794 by changing the saturation by 10% instead.

 50.8009, 64.9095,
48.3794

 50.8009, 64.9095,
48.3794


380.1902,
442.4667, 396.8460

 36.2706, 47.3877,
33.7653


 90.5451, 111.9197,
89.1404

 24.8143, 33.3423,
22.4375

116.4898,
142.1770, 116.1245

 16.0668, 22.3888,
13.9773

146.9699,
177.4481, 148.0689

 9.6626, 14.1428,
7.9663

182.3509,
218.1176, 185.3923

 5.2363, 8.2201,
3.9859

222.9980,
264.5698, 228.5132

 2.4228, 4.2361,
1.6176

269.2767,

 0.8565, 1.8065,

317.1891, 277.8500

0.3034

321.5523,
376.3599, 333.8215

■ 0.0000, 0.4912,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.8009, 64.9095,
48.3794

■ 50.8009, 64.9095,
48.3794

■ 44.3717, 61.8231,
37.8619

■ 58.4223, 68.5724,
60.8442

■ 39.0696, 59.2763,
29.1893

■ 67.2864, 72.8303,
75.3430

■ 34.8313, 57.2404,
22.2567

■ 77.4472, 77.7110,
91.9625

■ 31.5849, 55.6810,
16.9467

■ 85.9469, 81.7939,
105.8656

■ 29.2499, 54.5594,
13.1273

■ 27.7332, 53.8309,
10.6464

■ 26.9218, 53.4411,
9.3189

■ 26.6570, 53.3139,
8.8858

Harmonies

Analogous

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



56.2078, 64.9095, 38.8016



50.8009, 64.9095, 48.3794



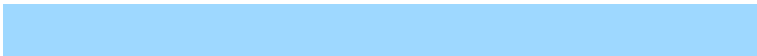
48.3479, 64.9095, 65.6272

Triad

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



50.8009, 64.9095, 48.3794



59.9057, 64.9095, 120.6401



76.1026, 64.9095, 55.6784

Complementary

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



50.8009, 64.9095, 48.3794



58.7601, 50.3563, 77.1464

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.



77.2958, 64.9095, 75.9761



50.8009, 64.9095, 48.3794



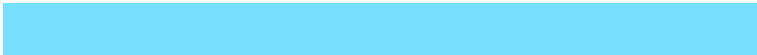
67.5272, 64.9095, 116.4677

Square

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



50.8009, 64.9095, 48.3794



53.3183, 64.9095, 109.3980



74.0438, 64.9095, 98.9448



70.9050, 64.9095, 42.3747

Rectangle

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



50.8009, 64.9095, 48.3794



48.5635, 64.9095, 80.3755



74.0438, 64.9095, 98.9448



77.0018, 64.9095, 61.7889

Sweetspot

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



50.8026, 64.9123, 48.3808



86.0432, 95.6736, 94.1679



64.7497, 72.1022, 49.0330



18.2592, 20.4024, 19.8980



0.0000, 0.0000, 0.0000



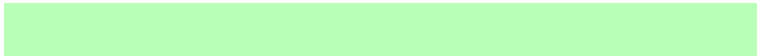
20.3446, 21.4041, 23.3091

Same Dimension

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



50.8026, 64.9123, 48.3808



64.0415, 85.1050, 58.1802



53.5875, 66.0262, 63.0459



13.5288, 15.3373, 14.5542



15.5156, 31.0311, 5.1719



1.0755, 2.1509, 0.3585

Inverse Universe

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



58.7601, 50.3563, 77.1464



76.3473, 62.5949, 102.6646



55.4408, 49.0286, 59.6673



14.2951, 13.9357, 17.3240



25.7244, 12.3568, 42.0758



1.7831, 0.8565, 2.9165

Previews

White Background



This preview shows how the XYZ color 50.8009, 64.9095, 48.3794 looks on a white background.

Color Contrast Check

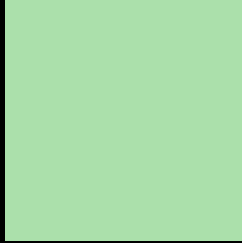
Large Text (above 18pt) WCAG AA × Fail

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 50.8009, 64.9095, 48.3794 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

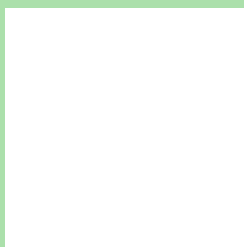
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.8009, 64.9095, 48.3794

Background



This preview shows how black text looks on a background with the XYZ color 50.8009, 64.9095, 48.3794.



This preview shows how white text looks on a background with the XYZ color 50.8009, 64.9095,

48.3794.

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

50.8009, 64.9095, 48.3794

Protanopia

60.4879, 64.6208, 44.4070

Deuteranopia

65.5750, 64.2529, 50.0202



Tritanopia

58.5553, 64.9400, 86.5393

Trichromacy



Original Color

50.8009, 64.9095, 48.3794

Protanomaly

56.4523, 64.3700, 46.0085

Deuteranomaly

59.0055, 63.7481, 49.2391

Tritanomaly

55.3245, 64.7812, 70.5609

Monochromacy



Original Color

50.8009, 64.9095, 48.3794

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

53.9364, 60.9311, 58.2083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8009, 64.9095, 48.3794 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(171, 224, 171)` looks like.

```
.text, #text, p{  
    color:rgb(171, 224, 171)  
}
```

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(171, 224, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 224, 171) }
```

Border

The CSS property to change the border of an element to XYZ 50.8009, 64.9095, 48.3794 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(171, 224, 171) }
```


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

```
.border{ border-color:rgb(171, 224, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 224, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 224, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 224, 171);  
box-shadow:4px 4px 4px 4px rgb(171, 224,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8009, 64.9095, 48.3794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 224, 171) }
```

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

```
.background{ background-color: rgb(171,  
224, 171) }
```

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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