

Converting Colors

XYZ(48.0345, 62.8989, 34.9880)

Have a look what the booklet for
XYZ(48.0345, 62.8989, 34.9880)
contains.

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Color

**XYZ(48.1626, 63.0499,
34.8307)**

Conversions

Conversions Part 1

Format	Color
Hex	ADDE8D
RGB	173, 222, 141
RGB Percent	68%, 87%, 55%
CMY	0.3216, 0.1294, 0.4470
CMYK	0.22, 0.00, 0.36, 0.13
HSL	96°, 55%, 71%
HSV	96°, 36%, 87%
XYZ	48.1626, 63.0499, 34.8307
YIQ	198.1150, -3.2030, -35.5790

Conversions

Conversions Part 2

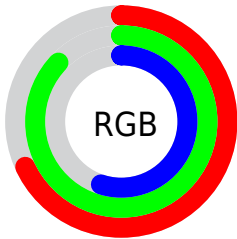
Format	Color
RYB	141, 222, 190
Decimal	11394701
CIELab	83.47, -30.12, 34.72
CIElCh	83, 45.962, 130.949
Yxy	63.0499, 0.3298, 0.4317
Android (android.graphics.Color)	4289584781 (0xFFADDE8D)
YUV	198.1150, -28.1577, -22.0259
Hunter-Lab	79.4040, -30.6875, 29.5751

Details

The XYZ color **48.1626, 63.0499, 34.8307** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **43.9476, 35.2726, 73.6027**, and the grayscale version is **53.9151, 56.7229, 61.7712**.

A 20% lighter version of the original color is **78.2435, 92.2831, 65.3183**, and **23.2719, 32.2976, 14.6804** is the 20% darker color. If you saturate the color by 10%, you get **43.8518, 61.0017, 26.8537**, and if you desaturate by 10%, it is **53.1063, 65.3900, 44.5682**.

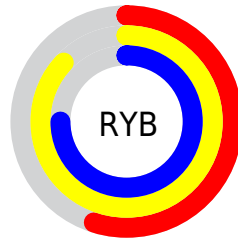
Distribution



Red (68%)

Green (87%)

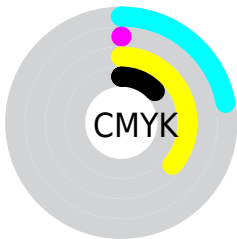
Blue (55%)



Red (55%)

Yellow (87%)

Blue (75%)

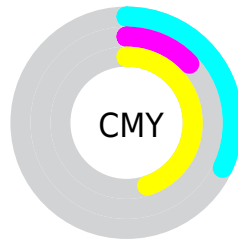


Cyan (22%)

Magenta (0%)

Yellow (36%)

Black (13%)



Cyan (32%)


Magenta (13%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1626, 63.0499, 34.8307 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 48.1626, 63.0499, 34.8307 by changing the saturation by 10% instead.


 48.1626, 63.0499,
34.8307


 48.1626, 63.0499,
34.8307


370.0081,
435.7506, 338.7019


 34.1675, 45.8816,
23.2500


 86.6547, 109.2415,
68.3720

 23.1858, 32.1524,
14.5712


 111.8823,
139.0336, 91.1697

 14.8522, 21.4779,
8.3757

 141.5849,
173.8023, 118.5434

 8.8014, 13.4738,
4.2451

176.1276,
213.9322, 150.9117

 4.6679, 7.7556,
1.7607

215.8760,
259.8076, 188.6932

 2.0865, 3.9390,
0.4019

261.1953,

 0.6819, 1.6395,

311.8128, 232.3064

0.0000

312.4509,
370.3324, 282.1698

0.0000, 0.3840,
0.0000

0.0000, 0.0000,
0.0000

48.1626, 63.0499,
34.8307

48.1626, 63.0499,
34.8307

43.8518, 61.0017,
26.8537

53.1063, 65.3900,
44.5682

40.1405, 59.2246,
20.5279


58.7048, 68.0254,
56.1586


36.9991, 57.7079,
15.7383


64.9846, 70.9697,
69.6927


34.3929, 56.4365,
12.3532


71.9694, 74.2333,
85.2542


 32.2826, 55.3937,
10.2189

 79.6815, 77.8260,
102.9217

 30.6207, 54.5591,
9.1410

 84.8938, 80.4577,
105.6632

 30.1186, 54.3052,
8.8945

 85.4126, 80.7252,
105.6875

Harmonies

Analogous

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



56.3406, 63.0499, 27.4678



48.1626, 63.0499, 34.8307



43.4934, 63.0499, 52.1640

Triad

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



48.1626, 63.0499, 34.8307



53.8536, 63.0499, 135.1561



80.9105, 63.0499, 58.6919

Complementary

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



48.1626, 63.0499, 34.8307



43.9476, 35.2726, 73.6027

Split Complementary

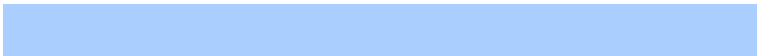
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0526, 63.0499, 88.2895



48.1626, 63.0499, 34.8307



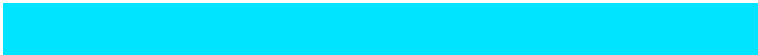
63.6626, 63.0499, 138.3518

Square

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



48.1626, 63.0499, 34.8307



46.5171, 63.0499, 111.5510



73.4664, 63.0499, 119.3483



75.6942, 63.0499, 38.4580

Rectangle

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



48.1626, 63.0499, 34.8307



42.6485, 63.0499, 69.5685



73.4664, 63.0499, 119.3483



81.3366, 63.0499, 67.7408

Sweetspot

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



48.1642, 63.0526, 34.8321



84.8884, 95.2457, 86.5470



53.2614, 54.1091, 32.8371



17.9190, 20.2690, 17.9852



0.0000, 0.0000, 0.0000



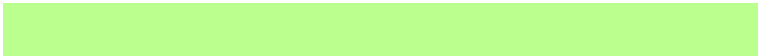
20.3446, 21.4041, 23.3091

Same Dimension

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



48.1642, 63.0526, 34.8321



61.2262, 84.0773, 38.9088



42.5405, 60.0813, 37.8315



14.0385, 15.6000, 14.5780



18.0058, 32.3148, 5.2884



1.3467, 2.2908, 0.3712

Inverse Universe

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



43.9476, 35.2726, 73.6027



54.6142, 40.6063, 99.5671



51.7764, 39.4310, 68.4365



13.7437, 13.6514, 17.2983



13.8284, 6.2241, 41.5209



1.0584, 0.4829, 2.8827

Previews

White Background



This preview shows how the XYZ color 48.1626, 63.0499, 34.8307 looks on a white background.

Color Contrast Check

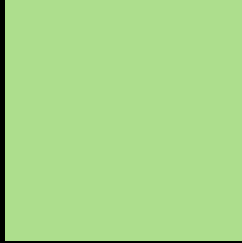
Large Text (above 18pt) WCAG AA × Fail

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 48.1626, 63.0499, 34.8307 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 48.1626, 63.0499, 34.8307

Background



This preview shows how black text looks on a background with the XYZ color 48.1626, 63.0499, 34.8307.



This preview shows how white text looks on a background with the XYZ color 48.1626, 63.0499,

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

48.1626, 63.0499, 34.8307

Protanopia

57.7373, 62.3825, 31.9196

Deuteranopia

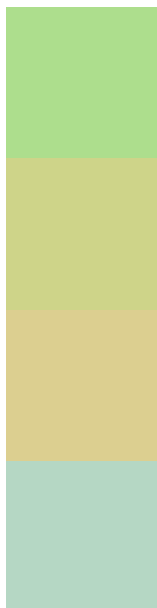
63.9695, 62.6963, 35.9242



Tritanopia

57.5476, 62.6291, 82.4543

Trichromacy



Original Color

48.1626, 63.0499, 34.8307

Protanomaly

53.5124, 62.0149, 32.8166

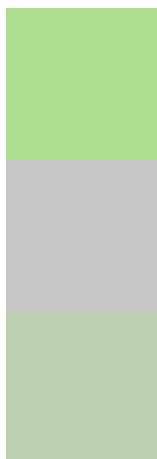
Deuteranomaly

56.8621, 61.8549, 35.3278

Tritanomaly

53.3203, 62.4102, 61.4606

Monochromacy



Original Color

48.1626, 63.0499, 34.8307

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

51.2349, 58.6188, 50.2092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1626, 63.0499, 34.8307 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(173, 222, 141)` looks like.

```
.text, #text, p{  
    color:rgb(173, 222, 141)  
}
```

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(173, 222, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 222, 141) }
```

Border

The CSS property to change the border of an element to XYZ 48.1626, 63.0499, 34.8307 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(173, 222, 141) }
```


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

```
.border{ border-color:rgb(173, 222, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 222, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 222, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 222, 141);  
box-shadow:4px 4px 4px 4px rgb(173, 222,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1626, 63.0499, 34.8307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 222, 141) }
```

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

```
.background{ background-color: rgb(173,  
222, 141) }
```

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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