

Converting Colors

XYZ(52.1122, 64.3741, 49.4203)

Have a look what the booklet for
XYZ(52.1122, 64.3741, 49.4203)
contains.

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Color

**XYZ(51.9897, 64.3137,
49.2088)**

Conversions

Conversions Part 1

Format	Color
Hex	B3DDAD
RGB	179, 221, 173
RGB Percent	70%, 87%, 68%
CMY	0.2980, 0.1333, 0.3216
CMYK	0.19, 0.00, 0.22, 0.13
HSL	113°, 41%, 77%
HSV	113°, 22%, 87%
XYZ	51.9897, 64.3137, 49.2088
YIQ	202.9700, -9.6240, -23.8320

Conversions

Conversions Part 2

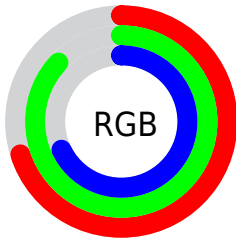
Format	Color
RYB	173, 221, 215
Decimal	11787693
CIELab	84.13, -22.68, 19.15
CIELCh	84, 29.684, 139.816
Yxy	64.3137, 0.3141, 0.3886
Android (android.graphics.Color)	4289977773 (0xFFB3DDAD)
YUV	202.9700, -14.7752, -21.0217
Hunter-Lab	80.1958, -24.6239, 19.7563

Details

The XYZ color **51.9897, 64.3137, 49.2088** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **56.0216, 49.5565, 75.0226**, and the grayscale version is **56.8415, 59.8017, 65.1240**.

A 20% lighter version of the original color is **84.1638, 94.8393, 87.9987**, and **25.6306, 33.0641, 22.8004** is the 20% darker color. If you saturate the color by 10%, you get **45.8655, 61.3854, 38.6674**, and if you desaturate by 10%, it is **59.0979, 67.7121, 61.6454**.

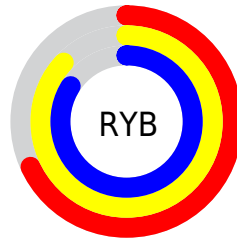
Distribution



Red (70%)

Green (87%)

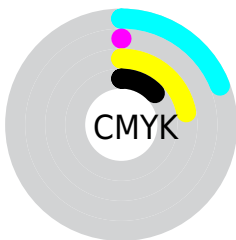
Blue (68%)



Red (68%)

Yellow (87%)

Blue (84%)

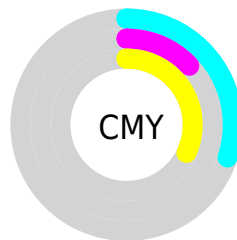


Cyan (19%)

Magenta (0%)

Yellow (22%)

Black (13%)



Cyan (30%)

Magenta (13%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9897, 64.3137, 49.2088 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 51.9897, 64.3137, 49.2088 by changing the saturation by 10% instead.

■ 51.9897, 64.3137,
49.2088

■ 51.9897, 64.3137,
49.2088

384.7215,
440.3216, 400.2098

■ 37.2211, 46.9048,
34.4184

■ 92.2904, 111.0626,
90.3857

■ 25.5532, 32.9604,
22.9352

118.5531,
141.1714, 117.6092

■ 16.6206, 22.0961,
14.3408

149.3780,
176.2822, 149.8142

■ 10.0580, 13.9275,
8.2167

185.1304,
216.7796, 187.4192

■ 5.5000, 8.0703,
4.1441

226.1755,
263.0478, 230.8427

■ 2.5812, 4.1400,
1.7047

272.8789,

■ 0.9364, 1.7522,

315.4713, 280.5033

0.3640

325.6057,
374.4344, 336.8195

■ 0.0000, 0.4571,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.9897, 64.3137,
49.2088

■ 51.9897, 64.3137,
49.2088

■ 45.8655, 61.3854,
38.6674

■ 59.0979, 67.7121,
61.6454

■ 40.6769, 58.8988,
29.9243

■ 67.2257, 71.5915,
76.0594

■ 36.3790, 56.8346,
22.8802

■ 76.4131, 75.9727,
92.5333

■ 32.9212, 55.1692,
17.4248

■ 85.1477, 80.1954,
105.5992

■ 30.2476, 53.8764,
13.4346

■ 28.2956, 52.9271,
10.7679

■ 26.9923, 52.2874,
9.2550

■ 26.3263, 51.9570,
8.6412

Harmonies

Analogous

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



56.9514, 64.3137, 41.2438



51.9897, 64.3137, 49.2088



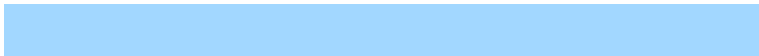
49.5354, 64.3137, 63.8317

Triad

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



51.9897, 64.3137, 49.2088



58.9250, 64.3137, 111.9368



73.7788, 64.3137, 58.4812

Complementary

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



51.9897, 64.3137, 49.2088



56.0216, 49.5565, 75.0226

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.



74.4019, 64.3137, 76.6100



51.9897, 64.3137, 49.2088



65.5044, 64.3137, 109.8046

Square

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



51.9897, 64.3137, 49.2088



53.3455, 64.3137, 101.4074



71.2794, 64.3137, 96.0167



69.6334, 64.3137, 45.8964

Rectangle

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



51.9897, 64.3137, 49.2088



49.5231, 64.3137, 76.3670



71.2794, 64.3137, 96.0167



74.4180, 64.3137, 64.0474

Sweetspot

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



51.9914, 64.3164, 49.2102



86.7933, 96.0603, 94.2027



61.5630, 66.7897, 49.1831



18.4322, 20.4916, 19.9060



0.0000, 0.0000, 0.0000



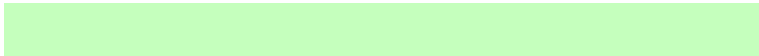
20.3446, 21.4041, 23.3091

Same Dimension

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



51.9914, 64.3164, 49.2102



67.9351, 87.0496, 61.1952



52.4520, 64.3440, 58.7165



13.0370, 14.6838, 13.8727



15.3441, 30.2076, 5.0219



1.0449, 1.9832, 0.3277

Inverse Universe

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



56.0216, 49.5565, 75.0226



74.4401, 63.2084, 102.8848



55.5918, 49.5918, 63.3946



13.4459, 13.1880, 16.4890



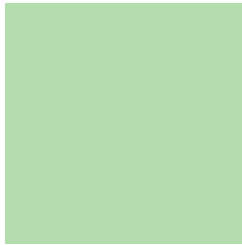
20.4797, 9.6819, 40.5278



1.3726, 0.6509, 2.6277

Previews

White Background



This preview shows how the XYZ color 51.9897, 64.3137, 49.2088 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 51.9897, 64.3137, 49.2088 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

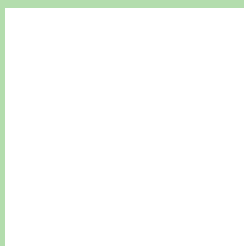
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.9897, 64.3137, 49.2088

Background



This preview shows how black text looks on a background with the XYZ color 51.9897, 64.3137, 49.2088.

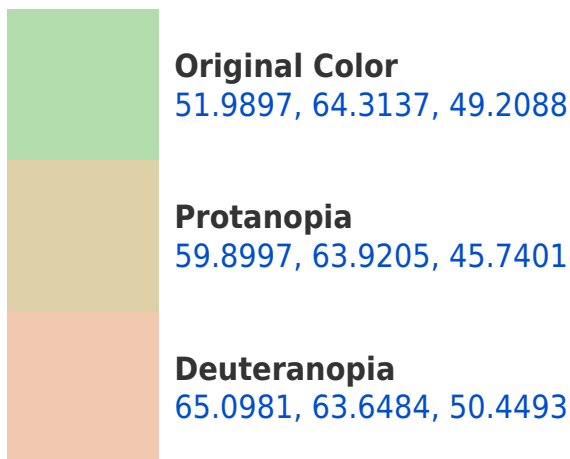


This preview shows how white text looks on a background with the XYZ color 51.9897, 64.3137,

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

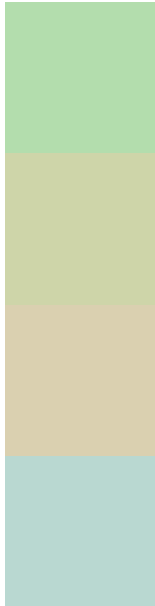




Tritanopia

59.0634, 64.1205, 84.1264

Trichromacy



Original Color

51.9897, 64.3137, 49.2088

Protanomaly

56.4093, 63.5749, 46.8342

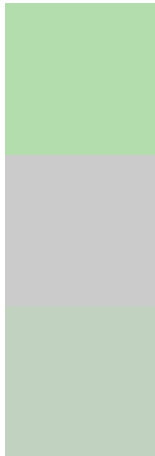
Deuteranomaly

59.3058, 63.1518, 50.1381

Tritanomaly

56.0721, 64.0295, 69.7252

Monochromacy



Original Color

51.9897, 64.3137, 49.2088

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

54.8092, 61.3683, 58.8257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9897, 64.3137, 49.2088 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(179, 221, 173)` looks like.

```
.text, #text, p{  
    color:rgb(179, 221, 173)  
}
```

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(179, 221, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 221, 173) }
```

Border

The CSS property to change the border of an element to XYZ 51.9897, 64.3137, 49.2088 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(179, 221, 173) }
```


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

```
.border{ border-color:rgb(179, 221, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 221, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 221, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 221, 173);  
box-shadow:4px 4px 4px 4px rgb(179, 221,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9897, 64.3137, 49.2088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 221, 173) }
```

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

```
.background{ background-color: rgb(179,  
221, 173) }
```

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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