

Converting Colors

XYZ(52.3503, 62.7047, 49.8250)

Have a look what the booklet for
XYZ(52.3503, 62.7047, 49.8250)
contains.

XYZ(52.3013, 62.5212, 49.8687)	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(52.3013, 62.5212,
49.8687)**

Conversions

Conversions Part 1

Format	Color
Hex	B9D8AF
RGB	185, 216, 175
RGB Percent	73%, 85%, 69%
CMY	0.2745, 0.1529, 0.3137
CMYK	0.14, 0.00, 0.19, 0.15
HSL	105°, 34%, 77%
HSV	105°, 19%, 85%
XYZ	52.3013, 62.5212, 49.8687
YIQ	202.0570, -5.3150, -19.3230

Conversions

Conversions Part 2

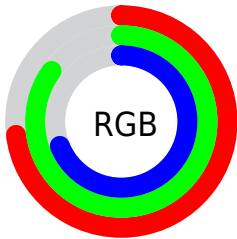
Format	Color
RYB	175, 216, 206
Decimal	12179631
CIELab	83.19, -17.82, 16.85
CIELCh	83, 24.523, 136.592
Yxy	62.5212, 0.3176, 0.3796
Android (android.graphics.Color)	4290369711 (0xFFB9D8AF)
YUV	202.0570, -13.3391, -14.9590
Hunter-Lab	79.0703, -20.3038, 17.9558

Details

The XYZ color **52.3013, 62.5212, 49.8687** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53.1809, 48.7415, 71.5742**, and the grayscale version is **56.2590, 59.1889, 64.4567**.

A 20% lighter version of the original color is **86.4594, 95.9903, 89.5724**, and **25.7734, 31.8004, 23.1920** is the 20% darker color. If you saturate the color by 10%, you get **46.6311, 59.8258, 39.4009**, and if you desaturate by 10%, it is **58.7669, 65.5911, 62.1478**.

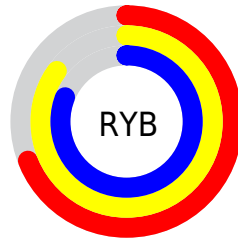
Distribution



Red (73%)

Green (85%)

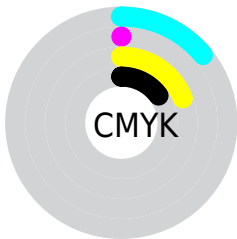
Blue (69%)



Red (69%)

Yellow (85%)

Blue (81%)

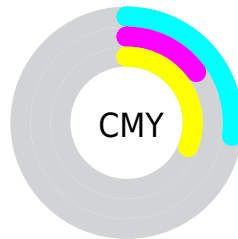


Cyan (14%)

Magenta (0%)

Yellow (19%)

Black (15%)



Cyan (27%)


Magenta (15%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3013, 62.5212, 49.8687 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 52.3013, 62.5212, 49.8687 by changing the saturation by 10% instead.


 52.3013, 62.5212,
49.8687

 52.3013, 62.5212,
49.8687

385.9036,
433.8297, 402.8726

 37.4705, 45.4540,
34.9386


 92.7470, 108.4785,
91.3746

 25.7474, 31.8152,
23.3324

119.0927,
138.1373, 118.7875

 16.7664, 21.2204,
14.6316


150.0074,
172.7621, 151.1985

 10.1624, 13.2852,
8.4175

185.8565,
212.7373, 189.0260

 5.5698, 7.6252,
4.2716

227.0053,
258.4472, 232.6886

 2.6235, 3.8561,
1.7755

273.8192,

 0.9579, 1.5934,

310.2764, 282.6049

0.4117

326.6635,
368.6091, 339.1934

■ 0.0000, 0.3531,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.3013, 62.5212,
49.8687

■ 52.3013, 62.5212,
49.8687

■ 46.6311, 59.8258,
39.4009

■ 58.7669, 65.5911,
62.1478

■ 41.7200, 57.4825,
30.6548

■ 66.0525, 69.0410,
76.3138

■ 37.5362, 55.4788,
23.5392

■ 74.1878, 72.8863,
92.4434

■ 34.0434, 53.7983,
17.9532

■ 82.1509, 76.7198,
105.0863

■ 31.2023, 52.4230,
13.7842

■ 83.8471, 77.5943,
105.1657

■ 28.9692, 51.3332,
10.9045

■ 27.2943, 50.5065,
9.1634

■ 26.1086, 49.9127,
8.3212

■ 26.0083, 49.8624,
8.2536

Harmonies

Analogous

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



56.5522, 62.5212, 43.6898



52.3013, 62.5212, 49.8687



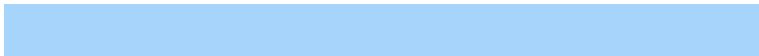
50.0225, 62.5212, 61.5075

Triad

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



52.3013, 62.5212, 49.8687



57.0848, 62.5212, 100.7195



69.7727, 62.5212, 60.0504

Complementary

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



52.3013, 62.5212, 49.8687



53.1809, 48.7415, 71.5742

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.



69.9364, 62.5212, 75.0940



52.3013, 62.5212, 49.8687



62.3925, 62.5212, 100.1738

Square

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



52.3013, 62.5212, 49.8687



52.6711, 62.5212, 91.6427



67.1668, 62.5212, 90.2472



66.7319, 62.5212, 48.9397

Rectangle

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



52.3013, 62.5212, 49.8687



49.8346, 62.5212, 71.4923



67.1668, 62.5212, 90.2472



70.1720, 62.5212, 64.7683

Sweetspot

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



52.3030, 62.5239, 49.8701



88.5547, 96.9249, 96.2457



58.0706, 61.7193, 49.4108



18.8088, 20.6770, 20.3190



0.0000, 0.0000, 0.0000



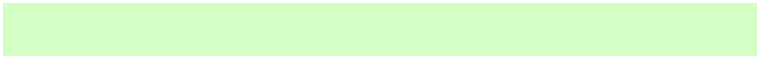
20.3446, 21.4041, 23.3091

Same Dimension

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



52.3030, 62.5239, 49.8701



72.5282, 89.3191, 65.8513



51.0204, 61.7419, 55.2672



12.5432, 14.0407, 13.2097



15.4757, 29.5543, 4.8889



1.0091, 1.8216, 0.2984

Inverse Universe

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



53.1809, 48.7415, 71.5742



74.0415, 65.5056, 103.3492



54.7614, 49.7047, 64.9438



12.6434, 12.4731, 15.6787



16.4181, 7.6163, 39.0579



1.0626, 0.4967, 2.3592

Previews

White Background



This preview shows how the XYZ color 52.3013, 62.5212, 49.8687 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 52.3013, 62.5212, 49.8687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

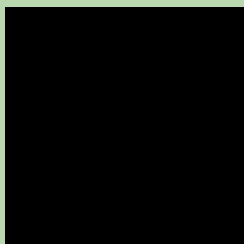
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

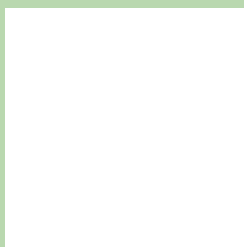
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.3013, 62.5212, 49.8687

Background



This preview shows how black text looks on a background with the XYZ color 52.3013, 62.5212, 49.8687.



This preview shows how white text looks on a background with the XYZ color 52.3013, 62.5212, 49.8687.

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

52.3013, 62.5212, 49.8687

Protanopia

58.5404, 62.1050, 46.9323

Deuteranopia

63.3844, 62.0657, 50.7586



Tritanopia

58.5203, 62.4294, 80.9172

Trichromacy



Original Color

52.3013, 62.5212, 49.8687

Protanomaly

56.2251, 62.3371, 48.0986

Deuteranomaly

58.6806, 61.7424, 50.4196

Tritanomaly

56.0412, 62.5391, 68.1491

Monochromacy



Original Color

52.3013, 62.5212, 49.8687

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

54.5922, 60.1672, 58.6053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3013, 62.5212, 49.8687 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(185, 216, 175)` looks like.

```
.text, #text, p{  
    color:rgb(185, 216, 175)  
}
```

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(185, 216, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 216, 175) }
```

Border

The CSS property to change the border of an element to XYZ 52.3013, 62.5212, 49.8687 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(185, 216, 175) }
```


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

```
.border{ border-color:rgb(185, 216, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 216, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 216, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 216, 175);  
box-shadow:4px 4px 4px 4px rgb(185, 216,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3013, 62.5212, 49.8687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 216, 175) }
```

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

```
.background{ background-color: rgb(185,  
216, 175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor