

Converting Colors

XYZ(49.0938, 62.5482, 25.0101)

Have a look what the booklet for
XYZ(49.0938, 62.5482, 25.0101)
contains.

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Color

**XYZ(49.0512, 62.5467,
25.1102)**

Conversions

Conversions Part 1

Format	Color
Hex	BCDB71
RGB	188, 219, 113
RGB Percent	74%, 86%, 44%
CMY	0.2627, 0.1412, 0.5569
CMYK	0.14, 0.00, 0.48, 0.14
HSL	78°, 60%, 65%
HSV	78°, 48%, 86%
XYZ	49.0512, 62.5467, 25.1102
YIQ	197.6470, 15.5500, -39.5380

Conversions

Conversions Part 2

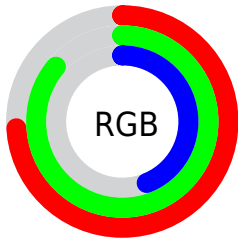
Format	Color
R_{YB}	113, 219, 144
Decimal	12376945
CIE _{Lab}	83.20, -26.54, 48.39
CIE _{LCh}	83, 55.193, 118.744
Yxy	62.5467, 0.3588, 0.4575
Android (android.graphics.Color)	4290567025 (0xFFBCDB71)
YUV	197.6470, -41.7310, -8.4604
Hunter-Lab	79.0865, -27.6916, 36.5358

Details

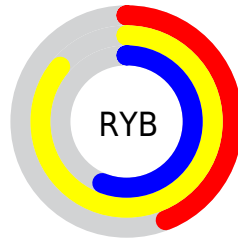
The XYZ color **49.0512, 62.5467, 25.1102** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **30.1954, 22.8557, 69.8416**, and the grayscale version is **53.7022, 56.4989, 61.5273**.

A 20% lighter version of the original color is **80.7411, 93.9029, 50.4288**, and **23.7906, 31.8744, 9.3134** is the 20% darker color. If you saturate the color by 10%, you get **46.4213, 61.3186, 19.3097**, and if you desaturate by 10%, it is **52.0517, 63.9355, 32.4834**.

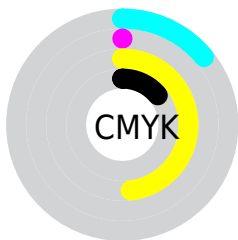
Distribution



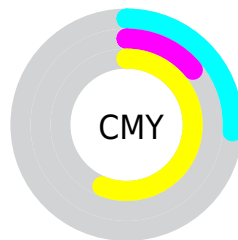
- Red (74%)
- Green (86%)
- Blue (44%)



- Red (44%)
- Yellow (86%)
- Blue (56%)



- Cyan (14%)
- Magenta (0%)
- Yellow (48%)
- Black (14%)





- Cyan (26%)
- Magenta (14%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0512, 62.5467, 25.1102 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 49.0512, 62.5467, 25.1102 by changing the saturation by 10% instead.


 49.0512, 62.5467,
25.1102

 49.0512, 62.5467,
25.1102


373.4575,
433.9225, 291.8515

 34.8748, 45.4746,
15.9394


 87.9678, 108.5153,
52.8023

 23.7325, 31.8314,
9.3274


 113.4386,
138.1805, 72.1606

 15.2590, 21.2328,
4.8556


 143.4050,
172.8123, 95.7520

 9.0888, 13.2942,
2.1055

178.2323,
212.7950, 123.9947

 4.8567, 7.6315,
0.6191

218.2858,
258.5129, 157.3076

 2.1973, 3.8601,
0.0000

263.9310,

 0.7413, 1.5956,

310.3506, 196.1089

0.0000

315.5331,
368.6923, 240.8174

0.0000, 0.3546,
0.0000

0.0000, 0.0000,
0.0000

49.0512, 62.5467,
25.1102

49.0512, 62.5467,
25.1102

46.4213, 61.3186,
19.3097

52.0517, 63.9355,
32.4834

44.1348, 60.2338,
14.9632


55.4387, 65.4849,
41.5285


42.1676, 59.2845,
11.9419


59.2326, 67.2053,
52.3413


40.4896, 58.4586,
10.0921


63.4508, 69.1038,
65.0092


 39.0567, 57.7385,
9.1866


 68.1096, 71.1871,
79.6137

 38.8403, 57.6291,
9.0764

 73.2244, 73.4613,
96.2317

 76.9352, 75.1827,
105.0645

 79.0628, 76.2795,
105.1641

 81.2672, 77.4159,
105.2673

Harmonies

Analogous

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



59.9547, 62.5467, 21.1675



49.0512, 62.5467, 25.1102



41.8611, 62.5467, 39.3027

Triad

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



49.0512, 62.5467, 25.1102



48.2865, 62.5467, 141.4395



85.5614, 62.5467, 69.5579

Complementary

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



49.0512, 62.5467, 25.1102



30.1954, 22.8557, 69.8416

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.



81.3793, 62.5467, 108.3577



49.0512, 62.5467, 25.1102



58.9457, 62.5467, 157.5670

Square

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



49.0512, 62.5467, 25.1102



41.4631, 62.5467, 104.9825



71.2207, 62.5467, 143.8046



82.0029, 62.5467, 41.0632

Rectangle

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



49.0512, 62.5467, 25.1102



39.6087, 62.5467, 56.0276



71.2207, 62.5467, 143.8046



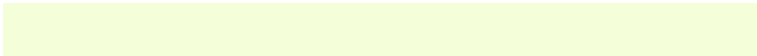
85.0052, 62.5467, 81.7989

Sweetspot

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



49.0527, 62.5495, 25.1115



85.4949, 95.7162, 79.4443



42.0238, 35.9092, 20.3399



18.0362, 20.3685, 16.2246



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.



49.0527, 62.5495, 25.1115



65.4955, 86.5420, 27.1898



38.4622, 57.0899, 24.6159



13.7720, 15.0627, 13.9071



23.1432, 34.2282, 5.3869



1.5836, 2.2609, 0.3529

Inverse Universe

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



30.1954, 22.8557, 69.8416



35.9622, 24.2745, 97.3978



41.4672, 28.6665, 70.3691



12.6948, 12.8008, 16.4538



8.9327, 3.7292, 39.9874



0.6635, 0.2853, 2.5945

Previews

White Background



This preview shows how the XYZ color 49.0512, 62.5467, 25.1102 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 49.0512, 62.5467, 25.1102 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 49.0512, 62.5467, 25.1102

Background



This preview shows how black text looks on a background with the XYZ color 49.0512, 62.5467, 25.1102.



This preview shows how white text looks on a background with the XYZ color 49.0512, 62.5467,

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

49.0512, 62.5467, 25.1102

Protanopia

57.0680, 62.2238, 23.4706

Deuteranopia

63.3812, 61.9360, 25.7538



Tritanopia

59.9892, 62.5099, 78.7159

Trichromacy



Original Color

49.0512, 62.5467, 25.1102

Protanomaly

53.5493, 61.8605, 23.8698

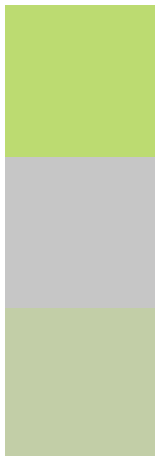
Deuteranomaly

57.2968, 61.5816, 25.3896

Tritanomaly

54.8675, 61.8777, 53.8515

Monochromacy



Original Color

49.0512, 62.5467, 25.1102

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

51.2945, 58.4020, 45.1284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0512, 62.5467, 25.1102 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(188, 219, 113)` looks like.

```
.text, #text, p{  
    color:rgb(188, 219, 113)  
}
```

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(188, 219, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 219, 113) }
```

Border

The CSS property to change the border of an element to XYZ 49.0512, 62.5467, 25.1102 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(188, 219, 113) }
```


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

```
.border{ border-color:rgb(188, 219, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 219, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 219, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 219, 113);  
box-shadow:4px 4px 4px 4px rgb(188, 219,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0512, 62.5467, 25.1102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 219, 113) }
```

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

```
.background{ background-color: rgb(188,  
219, 113) }
```

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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