

Converting Colors

XYZ(49.0954, 61.6222, 32.9736)

Have a look what the booklet for
XYZ(49.0954, 61.6222, 32.9736)
contains.

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Color

**XYZ(49.0954, 61.6222,
32.9736)**

Conversions

Conversions Part 1

Format	Color
Hex	B8D989
RGB	184, 217, 137
RGB Percent	72%, 85%, 54%
CMY	0.2784, 0.1490, 0.4627
CMYK	0.15, 0.00, 0.37, 0.15
HSL	85°, 51%, 69%
HSV	85°, 37%, 85%
XYZ	49.0954, 61.6222, 32.9736
YIQ	198.0130, 6.0120, -31.8760

Conversions

Conversions Part 2

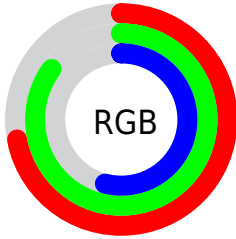
Format	Color
RYB	137, 217, 170
Decimal	12114313
CIELab	82.71, -24.30, 35.89
CIELCh	83, 43.342, 124.109
Yxy	61.6222, 0.3417, 0.4289
Android (android.graphics.Color)	4290304393 (0xFFB8D989)
YUV	198.0130, -30.0794, -12.2894
Hunter-Lab	78.4998, -25.7371, 30.0453

Details

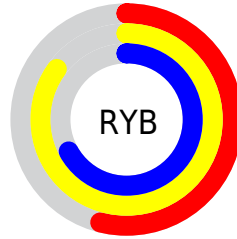
The XYZ color **49.0954, 61.6222, 32.9736** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **38.0501, 31.4488, 69.7138**, and the grayscale version is **53.8603, 56.6653, 61.7085**.

A 20% lighter version of the original color is **81.4396, 93.9824, 63.1383**, and **23.8060, 31.2584, 13.5829** is the 20% darker color. If you saturate the color by 10%, you get **45.6160, 59.9926, 25.4864**, and if you desaturate by 10%, it is **53.0267, 63.4525, 42.1186**.

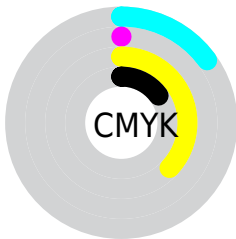
Distribution



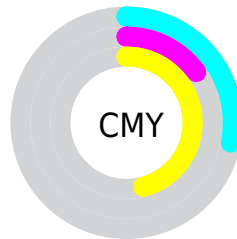
- Red (72%)
- Green (85%)
- Blue (54%)



- Red (54%)
- Yellow (85%)
- Blue (67%)



- Cyan (15%)
- Magenta (0%)
- Yellow (37%)
- Black (15%)





- Cyan (28%)
- Magenta (15%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0954, 61.6222, 32.9736 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 49.0954, 61.6222, 32.9736 by changing the saturation by 10% instead.


 49.0954, 61.6222,
32.9736


 49.0954, 61.6222,
32.9736


373.6285,
430.5517, 330.1591


 34.9100, 44.7275,
21.8353


 88.0330, 107.1793,
65.4498

 23.7598, 31.2428,
13.5388


 113.5159,
136.6105, 87.6248

 15.2793, 20.7838,
7.6655


 143.4954,
170.9894, 114.3158

 9.1032, 12.9661,
3.7970

178.3368,
210.7002, 145.9413

 4.8662, 7.4052,
1.5146

218.4054,
256.1275, 182.9198

 2.2029, 3.7168,
0.2288

264.0667,

 0.7443, 1.5164,

307.6555, 225.6699

0.0000

315.6859,
365.6688, 274.6102

■ 0.0000, 0.3002,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.0954, 61.6222,
32.9736

■ 49.0954, 61.6222,
32.9736

■ 45.6160, 59.9926,
25.4864

■ 53.0267, 63.4525,
42.1186

■ 42.5626, 58.5466,
19.5535


■ 57.4250, 65.4834,
53.0087


■ 39.9132, 57.2774,
15.0659


■ 62.3103, 67.7254,
65.7298


■ 37.6415, 56.1740,
11.8991


■ 67.6999, 70.1855,
80.3610


 35.7171, 55.2241,
9.9071


 73.6101, 72.8707,
96.9767

 34.1013, 54.4117,
8.9004

 78.0284, 74.9761,
104.9670

 33.6384, 54.1773,
8.6843

 81.1047, 76.5620,
105.1110

 84.1041, 78.1083,
105.2514

Harmonies

Analogous

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



57.2969, 61.6222, 27.8545



49.0954, 61.6222, 32.9736



43.8983, 61.6222, 47.1092

Triad

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



49.0954, 61.6222, 32.9736



51.0968, 61.6222, 124.5839



78.2983, 61.6222, 63.4898

Complementary

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



49.0954, 61.6222, 32.9736



38.0501, 31.4488, 69.7138

Split Complementary

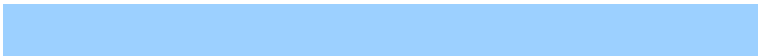
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.1930, 61.6222, 92.0613



49.0954, 61.6222, 32.9736



59.8619, 61.6222, 132.3124

Square

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



49.0954, 61.6222, 32.9736



44.9650, 61.6222, 100.1420



69.1914, 61.6222, 119.1172



74.6749, 61.6222, 42.2603

Rectangle

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



49.0954, 61.6222, 32.9736



42.5089, 61.6222, 61.9710



69.1914, 61.6222, 119.1172



78.2394, 61.6222, 72.4962

Sweetspot

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



49.0969, 61.6249, 32.9749



86.7283, 96.1942, 86.6331



47.3209, 44.9359, 29.8472



18.3571, 20.4948, 18.0057



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.



49.0969, 61.6249, 32.9749



66.9160, 87.0105, 39.1751



41.0072, 57.4545, 32.5963



13.6159, 14.9822, 13.8998



20.4846, 32.8577, 5.2625



1.4241, 2.1787, 0.3455

Inverse Universe

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



38.0501, 31.4488, 69.7138



48.8504, 37.6349, 99.2973



47.7669, 36.4580, 70.1686



12.8450, 12.8782, 16.4609



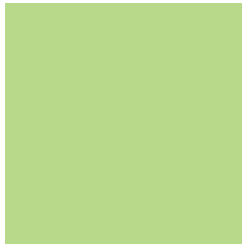
10.2196, 4.3926, 40.0476



0.7585, 0.3343, 2.5990

Previews

White Background



This preview shows how the XYZ color 49.0954, 61.6222, 32.9736 looks on a white background.

Color Contrast Check

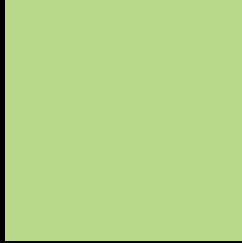
Large Text (above 18pt) WCAG AA × Fail

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 49.0954, 61.6222, 32.9736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

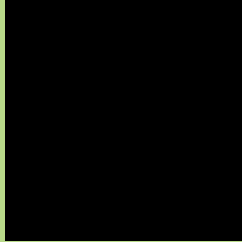
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0954, 61.6222, 32.9736

Background



This preview shows how black text looks on a background with the XYZ color 49.0954, 61.6222, 32.9736.

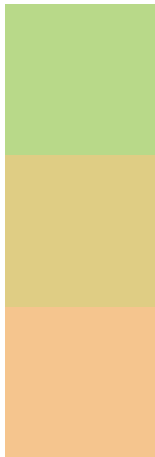


This preview shows how white text looks on a background with the XYZ color 49.0954, 61.6222,

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

49.0954, 61.6222, 32.9736

Protanopia

56.4276, 61.0166, 30.6331

Deuteranopia

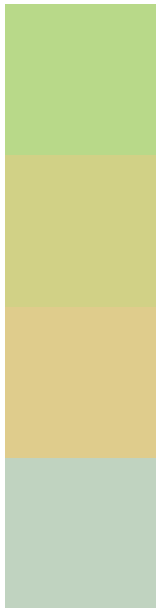
62.5049, 61.2980, 34.1285



Tritanopia

58.3971, 61.6891, 78.6414

Trichromacy



Original Color

49.0954, 61.6222, 32.9736

Protanomaly

53.3980, 60.8775, 31.4904

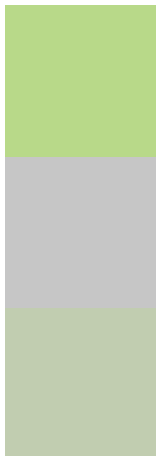
Deuteranomaly

56.7579, 60.7672, 33.5487

Tritanomaly

54.5469, 61.6008, 58.8844

Monochromacy



Original Color

49.0954, 61.6222, 32.9736

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

51.6601, 58.1347, 49.5726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0954, 61.6222, 32.9736 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(184, 217, 137)` looks like.

```
.text, #text, p{  
    color:rgb(184, 217, 137)  
}
```

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(184, 217, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 217, 137) }
```

Border

The CSS property to change the border of an element to XYZ 49.0954, 61.6222, 32.9736 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(184, 217, 137) }
```


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

```
.border{ border-color:rgb(184, 217, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 217, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 217, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 217, 137);  
box-shadow:4px 4px 4px 4px rgb(184, 217,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0954, 61.6222, 32.9736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 217, 137) }
```

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

```
.background{ background-color: rgb(184,  
217, 137) }
```

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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