

Converting Colors

XYZ(49.4506, 63.3560, 29.6788)

Have a look what the booklet for
XYZ(49.4506, 63.3560, 29.6788)
contains.

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Color

**XYZ(49.4544, 63.4356,
29.7164)**

Conversions

Conversions Part 1

Format	Color
Hex	B8DD7F
RGB	184, 221, 127
RGB Percent	72%, 87%, 50%
CMY	0.2784, 0.1333, 0.5020
CMYK	0.17, 0.00, 0.43, 0.13
HSL	84°, 58%, 68%
HSV	84°, 43%, 87%
XYZ	49.4544, 63.4356, 29.7164
YIQ	199.2210, 8.1220, -37.0780

Conversions

Conversions Part 2

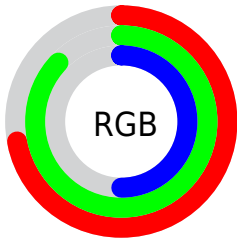
Format	Color
RYB	127, 221, 164
Decimal	12115327
CIELab	83.67, -27.46, 42.12
CIELCh	84, 50.279, 123.107
Yxy	63.4356, 0.3468, 0.4448
Android (android.graphics.Color)	4290305407 (0xFFB8DD7F)
YUV	199.2210, -35.6050, -13.3488
Hunter-Lab	79.6465, -28.5464, 33.6312

Details

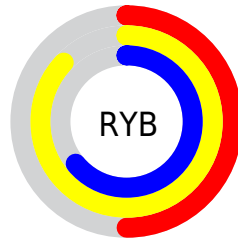
The XYZ color **49.4544, 63.4356, 29.7164** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **35.9529, 28.2934, 71.9765**, and the grayscale version is **54.6306, 57.4757, 62.5910**.

A 20% lighter version of the original color is **80.3761, 93.5570, 57.5381**, and **23.9940, 32.4614, 11.8385** is the 20% darker color. If you saturate the color by 10%, you get **46.1492, 61.8823, 22.8504**, and if you desaturate by 10%, it is **53.2069, 65.1870, 38.2550**.

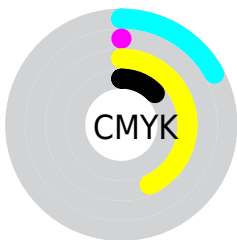
Distribution



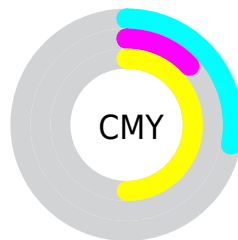
- Red (72%)
- Green (87%)
- Blue (50%)



- Red (50%)
- Yellow (87%)
- Blue (64%)



- Cyan (17%)
- Magenta (0%)
- Yellow (43%)
- Black (13%)





- Cyan (28%)
- Magenta (13%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4544, 63.4356, 29.7164 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 49.4544, 63.4356, 29.7164 by changing the saturation by 10% instead.


 49.4544, 63.4356,
29.7164


 49.4544, 63.4356,
29.7164


375.0158,
437.1486, 314.7463


 35.1961, 46.1937,
19.3732


 88.5626, 109.7977,
60.2691

 23.9812, 32.3987,
11.7607


 114.1433,
139.6867, 81.3157

 15.4443, 21.6662,
6.4604

 144.2287,
174.5602, 106.7671

 9.2202, 13.6118,
3.0537

179.1844,
214.8025, 137.0420

 4.9433, 7.8512,
1.1221

219.3755,
260.7982, 172.5588

 2.2485, 3.9999,
0.0000

265.1676,

 0.7681, 1.6735,

312.9315, 213.7361

0.0000

316.9259,
371.5868, 260.9924

■ 0.0000, 0.4064,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.4544, 63.4356,
29.7164

■ 49.4544, 63.4356,
29.7164

■ 46.1492, 61.8823,
22.8504

■ 53.2069, 65.1870,
38.2550

■ 43.2635, 60.5091,
17.5427


■ 57.4231, 67.1368,
48.5621


■ 40.7730, 59.3083,
13.6715


■ 62.1244, 69.2959,
60.7312


■ 38.6484, 58.2679,
11.0948


■ 67.3291, 71.6719,
74.8483


 36.8548, 57.3735,
9.6418


 73.0545, 74.2721,
90.9938

 35.6901, 56.7844,
9.0794

 78.5666, 76.8029,
105.2913

 81.5294, 78.3303,
105.4299

 84.6349, 79.9312,
105.5753

 85.1478, 80.1957,
105.5993

Harmonies

Analogous

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



59.1534, 63.4356, 24.4972



49.4544, 63.4356, 29.7164



43.3161, 63.4356, 45.1171

Triad

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



49.4544, 63.4356, 29.7164



51.2164, 63.4356, 138.4763



83.9978, 63.4356, 65.8362

Complementary

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



49.4544, 63.4356, 29.7164



35.9529, 28.2934, 71.9765

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.



81.2123, 63.4356, 100.2823



49.4544, 63.4356, 29.7164



61.4484, 63.4356, 149.0157

Square

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



49.4544, 63.4356, 29.7164



44.2430, 63.4356, 107.7590



72.6111, 63.4356, 133.3168



79.8209, 63.4356, 40.9662

Rectangle

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



49.4544, 63.4356, 29.7164



41.6249, 63.4356, 62.0473



72.6111, 63.4356, 133.3168



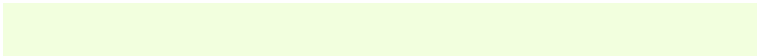
83.8458, 63.4356, 76.6049

Sweetspot

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



49.4560, 63.4384, 29.7178



85.5256, 95.6543, 82.9573



46.7551, 43.1128, 25.9369



17.9855, 20.3271, 16.9131



0.0000, 0.0000, 0.0000



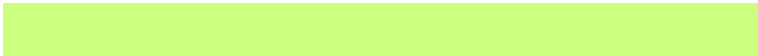
20.3446, 21.4041, 23.3091

Same Dimension

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



49.4560, 63.4384, 29.7178



64.3068, 85.8092, 32.5588



40.1649, 58.6487, 29.2829



13.6403, 14.9948, 13.9009



20.8625, 33.0525, 5.2802



1.4474, 2.1907, 0.3466

Inverse Universe

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



35.9529, 28.2934, 71.9765



43.3147, 31.1216, 98.3319



47.2308, 34.1074, 72.5043



12.8212, 12.8659, 16.4598



9.9837, 4.2710, 40.0366



0.7419, 0.3257, 2.5982

Previews

White Background



This preview shows how the XYZ color 49.4544, 63.4356, 29.7164 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 49.4544, 63.4356, 29.7164 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 49.4544, 63.4356, 29.7164

Background



This preview shows how black text looks on a background with the XYZ color 49.4544, 63.4356, 29.7164.



This preview shows how white text looks on a background with the XYZ color 49.4544, 63.4356,

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

49.4544, 63.4356, 29.7164

Protanopia

58.0636, 63.0109, 27.5144

Deuteranopia

64.3719, 63.0220, 30.6015



Tritanopia

59.5539, 62.9622, 80.9656

Trichromacy



Original Color

49.4544, 63.4356, 29.7164

Protanomaly

54.5837, 63.0408, 28.3600

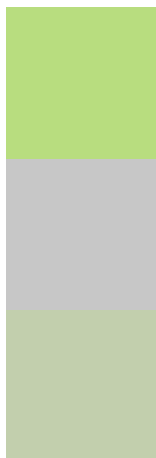
Deuteranomaly

58.0206, 62.5682, 30.1380

Tritanomaly

54.8267, 62.5127, 57.8917

Monochromacy



Original Color

49.4544, 63.4356, 29.7164

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

52.1038, 59.1121, 48.1988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4544, 63.4356, 29.7164 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, 221, 127)` looks like.

```
.text, #text, p{  
    color:rgb(184, 221, 127)  
}
```

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, 221, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 221, 127) }
```

Border

The CSS property to change the border of an element to XYZ 49.4544, 63.4356, 29.7164 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, 221, 127) }
```


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

```
.border{ border-color:rgb(184, 221, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 221, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 221, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 221, 127);  
box-shadow:4px 4px 4px 4px rgb(184, 221,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4544, 63.4356, 29.7164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 221, 127) }
```

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

```
.background{ background-color: rgb(184,  
221, 127) }
```

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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