

Converting Colors

XYZ(49.1981, 63.5991, 33.7294)

Have a look what the booklet for
XYZ(49.1981, 63.5991, 33.7294)
contains.

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Color

**XYZ(49.2991, 63.6612,
33.7343)**

Conversions

Conversions Part 1

Format	Color
Hex	B3DE8A
RGB	179, 222, 138
RGB Percent	70%, 87%, 54%
CMY	0.2980, 0.1294, 0.4588
CMYK	0.19, 0.00, 0.38, 0.13
HSL	91°, 56%, 71%
HSV	91°, 38%, 87%
XYZ	49.2991, 63.6612, 33.7343
YIQ	199.5670, 1.3360, -35.2400

Conversions

Conversions Part 2

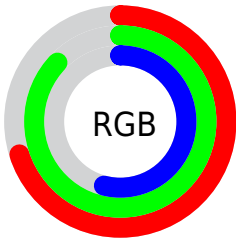
Format	Color
RYB	138, 222, 181
Decimal	11787914
CIELab	83.79, -28.39, 36.72
CIElCh	84, 46.415, 127.714
Yxy	63.6612, 0.3361, 0.4340
Android (android.graphics.Color)	4289977994 (0xFFB3DE8A)
YUV	199.5670, -30.3525, -18.0373
Hunter-Lab	79.7880, -29.3380, 30.7838

Details

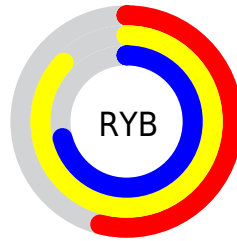
The XYZ color **49.2991, 63.6612, 33.7343** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **41.3321, 33.2765, 73.3553**, and the grayscale version is **54.8149, 57.6695, 62.8021**.

A 20% lighter version of the original color is **79.8665, 93.1586, 63.6412**, and **23.9965, 32.6855, 14.0610** is the 20% darker color. If you saturate the color by 10%, you get **45.3343, 61.7863, 25.9993**, and if you desaturate by 10%, it is **53.8122, 65.7847, 43.2124**.

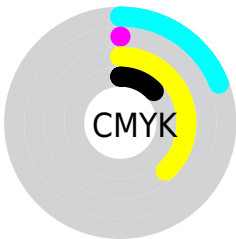
Distribution



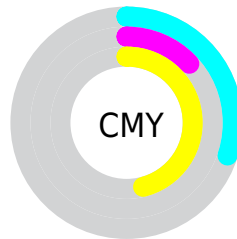
- Red (70%)
- Green (87%)
- Blue (54%)



- Red (54%)
- Yellow (87%)
- Blue (71%)



- Cyan (19%)
- Magenta (0%)
- Yellow (38%)
- Black (13%)





- Cyan (30%)
- Magenta (13%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2991, 63.6612, 33.7343 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 49.2991, 63.6612, 33.7343 by changing the saturation by 10% instead.


 49.2991, 63.6612,
33.7343

 49.2991, 63.6612,
33.7343


374.4161,
437.9651, 333.6786


 35.0723, 46.3763,
22.4138


 88.3336, 110.1229,
66.6494

 23.8854, 32.5429,
13.9601


 113.8720,
140.0684, 89.0812

 15.3729, 21.7765,
7.9545


 143.9116,
175.0030, 116.0538

 9.1695, 13.6928,
3.9785

178.8179,
215.3110, 147.9858

 4.9099, 7.9073,
1.6135

218.9561,
261.3769, 185.2958

 2.2287, 4.0357,
0.3005

264.6916,

 0.7578, 1.6935,

313.5849, 228.4022

0.0000

316.3898,
372.3195, 277.7236

0.0000, 0.4195,
0.0000

0.0000, 0.0000,
0.0000

49.2991, 63.6612,
33.7343

49.2991, 63.6612,
33.7343

45.3343, 61.7863,
25.9993

53.8122, 65.7847,
43.2124

41.8876, 60.1410,
19.8968

58.8923, 68.1584,
54.5269

38.9330, 58.7163,
15.3103

64.5629, 70.7945,
67.7692

36.4393, 57.4991,
12.1059

70.8446, 73.7017,
83.0236

■ 34.3710, 56.4745,
10.1261

■ 77.7571, 76.8884,
100.3693

■ 32.6803, 55.6227,
9.1517

■ 82.5985, 79.2744,
105.5558

■ 32.3497, 55.4554,
8.9990

■ 85.4126, 80.7252,
105.6875

Harmonies

Analogous

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



57.9168, 63.6612, 27.2615



49.2991, 63.6612, 33.7343



44.1324, 63.6612, 50.1435

Triad

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



49.2991, 63.6612, 33.7343



53.3793, 63.6612, 135.2614



82.0690, 63.6612, 62.0558

Complementary

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



49.2991, 63.6612, 33.7343



41.3321, 33.2765, 73.3553

Split Complementary

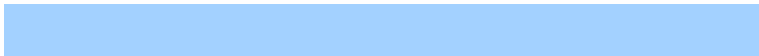
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5033, 63.6612, 92.8422



49.2991, 63.6612, 33.7343



63.1755, 63.6612, 141.0946

Square

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



49.2991, 63.6612, 33.7343



46.2973, 63.6612, 109.6081



73.2990, 63.6612, 123.8406



77.3645, 63.6612, 40.3509

Rectangle

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



49.2991, 63.6612, 33.7343



42.9698, 63.6612, 67.1021



73.2990, 63.6612, 123.8406



82.2672, 63.6612, 71.5785

Sweetspot

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



49.3007, 63.6640, 33.7357



85.7711, 95.7008, 86.5883



51.0354, 50.0095, 31.0087



18.1290, 20.3772, 17.9950



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.



49.3007, 63.6640, 33.7357



63.3432, 85.1907, 38.0126



41.1919, 59.4837, 33.3562



14.1624, 15.6639, 14.5838



19.3416, 33.0035, 5.3509



1.4438, 2.3408, 0.3757

Inverse Universe

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



41.3321, 33.2765, 73.3553



51.0167, 38.1908, 99.2904



52.4000, 38.9823, 73.8733



13.6178, 13.5865, 17.2924



12.0555, 5.3101, 41.4379



0.9389, 0.4213, 2.8771

Previews

White Background



This preview shows how the XYZ color 49.2991, 63.6612, 33.7343 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 49.2991, 63.6612, 33.7343 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 49.2991, 63.6612, 33.7343

Background



This preview shows how black text looks on a background with the XYZ color 49.2991, 63.6612, 33.7343.



This preview shows how white text looks on a background with the XYZ color 49.2991, 63.6612,

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

49.2991, 63.6612, 33.7343

Protanopia

58.4681, 63.1361, 31.2952

Deuteranopia

64.4483, 62.9698, 34.7442



Tritanopia

59.0361, 63.3964, 82.5240

Trichromacy



Original Color

49.2991, 63.6612, 33.7343

Protanomaly

54.7458, 63.0394, 32.2041

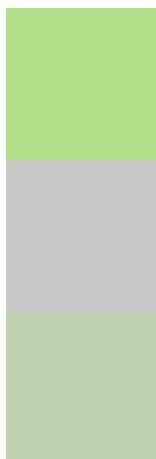
Deuteranomaly

57.8610, 62.3960, 34.1933

Tritanomaly

54.6443, 63.1058, 60.9303

Monochromacy



Original Color

49.2991, 63.6612, 33.7343

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

52.2299, 59.4925, 50.3254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2991, 63.6612, 33.7343 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, 222, 138)` looks like.

```
.text, #text, p{  
    color:rgb(179, 222, 138)  
}
```

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, 222, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 222, 138) }
```

Border

The CSS property to change the border of an element to XYZ 49.2991, 63.6612, 33.7343 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, 222, 138) }
```


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

```
.border{ border-color:rgb(179, 222, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 222, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 222, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 222, 138);  
box-shadow:4px 4px 4px 4px rgb(179, 222,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2991, 63.6612, 33.7343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 222, 138) }
```

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

```
.background{ background-color: rgb(179,  
222, 138) }
```

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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