

Converting Colors

XYZ(51.3265, 64.6872, 32.0109)

Have a look what the booklet for
XYZ(51.3265, 64.6872, 32.0109)
contains.

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Color

**XYZ(51.3412, 64.7548,
31.9833)**

Conversions

Conversions Part 1

Format	Color
Hex	BDDE85
RGB	189, 222, 133
RGB Percent	74%, 87%, 52%
CMY	0.2588, 0.1294, 0.4784
CMYK	0.15, 0.00, 0.40, 0.13
HSL	82°, 57%, 70%
HSV	82°, 40%, 87%
XYZ	51.3412, 64.7548, 31.9833
YIQ	201.9870, 8.9010, -34.6750

Conversions

Conversions Part 2

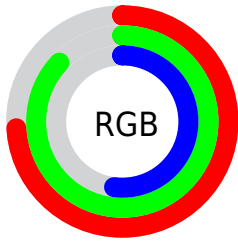
Format	Color
RYB	133, 222, 166
Decimal	12443269
CIELab	84.36, -25.37, 40.08
CIELCh	84, 47.435, 122.332
Yxy	64.7548, 0.3467, 0.4373
Android (android.graphics.Color)	4290633349 (0xFFBDDE85)
YUV	201.9870, -34.0106, -11.3896
Hunter-Lab	80.4704, -26.9377, 32.7642

Details

The XYZ color **51.3412, 64.7548, 31.9833** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **37.3008, 30.1578, 72.9659**, and the grayscale version is **56.3340, 59.2677, 64.5426**.

A 20% lighter version of the original color is **82.7357, 94.7007, 60.9321**, and **25.1732, 33.3150, 13.0863** is the 20% darker color. If you saturate the color by 10%, you get **47.9826, 63.1843, 24.6487**, and if you desaturate by 10%, it is **55.1431, 66.5204, 41.0333**.

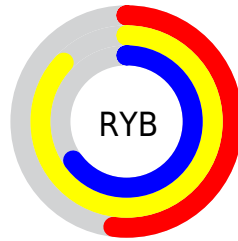
Distribution



Red (74%)

Green (87%)

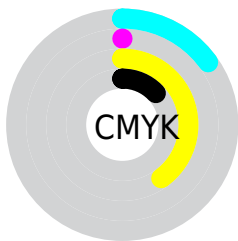
Blue (52%)



Red (52%)

Yellow (87%)

Blue (65%)

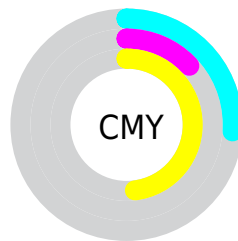


Cyan (15%)

Magenta (0%)

Yellow (40%)

Black (13%)



Cyan (26%)

Magenta (13%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3412, 64.7548, 31.9833 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 51.3412, 64.7548, 31.9833 by changing the saturation by 10% instead.


 51.3412, 64.7548,
31.9833


 51.3412, 64.7548,
31.9833


382.2538,
441.9103, 325.5336


 36.7024, 47.2623,
21.0840


 91.3389, 111.6973,
63.8825

 25.1497, 33.2430,
12.9936


 117.4285,
141.9160, 85.7195

 16.3180, 22.3127,
7.2935


 148.0657,
177.1456, 112.0396

 9.8417, 14.0868,
3.5651

183.6160,
217.7704, 143.2611

 5.3556, 8.1811,
1.3899

224.4445,
264.1749, 179.8028

 2.4943, 4.2110,
0.1338

270.9168,

 0.8924, 1.7923,

316.7435, 222.0830

0.0000

323.3981,
375.8605, 270.5204

0.0000, 0.4824,
0.0000

0.0000, 0.0000,
0.0000

51.3412, 64.7548,
31.9833

51.3412, 64.7548,
31.9833

47.9826, 63.1843,
24.6487

55.1431, 66.5204,
41.0333

45.0401, 61.7912,
18.9168


59.4042, 68.4812,
51.8935


42.4902, 60.5681,
14.6678


64.1453, 70.6477,
64.6569


40.3049, 59.5035,
11.7637


69.3843, 73.0274,
79.4088


 38.4508, 58.5839,
10.0403


 75.1382, 75.6273,
96.2294

 36.8838, 57.7929,
9.2112

 79.5656, 77.7110,
105.4139

 82.3996, 79.1720,
105.5465

 85.3616, 80.6990,
105.6852

 85.4126, 80.7253,
105.6875

Harmonies

Analogous

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



60.7272, 64.7548, 26.9891



51.3412, 64.7548, 31.9833



45.3003, 64.7548, 46.8631

Triad

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



51.3412, 64.7548, 31.9833



52.6163, 64.7548, 135.3425



84.0759, 64.7548, 68.1734

Complementary

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



51.3412, 64.7548, 31.9833



37.3008, 30.1578, 72.9659

Split Complementary

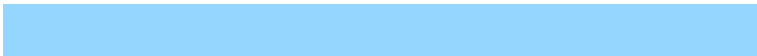
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.2778, 64.7548, 101.0060



51.3412, 64.7548, 31.9833



62.3752, 64.7548, 145.7661

Square

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



51.3412, 64.7548, 31.9833



45.9754, 64.7548, 106.2898



73.0240, 64.7548, 131.7302



80.2900, 64.7548, 43.8186

Rectangle

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



51.3412, 64.7548, 31.9833



43.5828, 64.7548, 63.0494



73.0240, 64.7548, 131.7302



83.8738, 64.7548, 78.5305

Sweetspot

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



51.3428, 64.7577, 31.9847



86.4567, 96.0946, 84.7971



47.9299, 44.3645, 28.2283



18.3180, 20.4827, 17.6402



0.0000, 0.0000, 0.0000



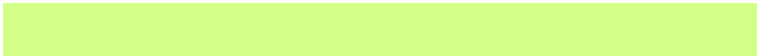
20.3446, 21.4041, 23.3091

Same Dimension

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



51.3428, 64.7577, 31.9847



66.4336, 86.8469, 35.3074



42.0106, 59.9467, 31.5479



14.3534, 15.7623, 14.5927



22.0337, 34.3913, 5.4769



1.6251, 2.4342, 0.3842

Inverse Universe

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



37.3008, 30.1578, 72.9659



44.7406, 33.3495, 98.6867



48.1911, 35.7719, 73.4756



13.4298, 13.4896, 17.2836



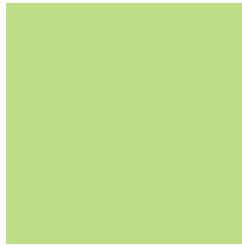
10.0279, 4.2649, 41.3430



0.7917, 0.3454, 2.8702

Previews

White Background



This preview shows how the XYZ color 51.3412, 64.7548, 31.9833 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 51.3412, 64.7548, 31.9833 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 51.3412, 64.7548, 31.9833

Background



This preview shows how black text looks on a background with the XYZ color 51.3412, 64.7548, 31.9833.



This preview shows how white text looks on a background with the XYZ color 51.3412, 64.7548,

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

51.3412, 64.7548, 31.9833

Protanopia

59.2560, 64.3097, 29.7120

Deuteranopia

65.6190, 64.3037, 32.9981



Tritanopia

61.5165, 64.6911, 81.9174

Trichromacy



Original Color

51.3412, 64.7548, 31.9833

Protanomaly

55.8074, 64.0010, 30.5312

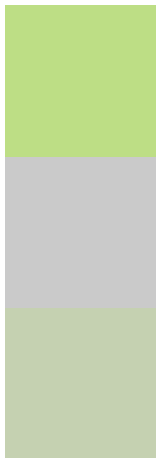
Deuteranomaly

59.5575, 64.0365, 32.5138

Tritanomaly

56.9520, 64.3214, 59.8657

Monochromacy



Original Color

51.3412, 64.7548, 31.9833

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

53.7622, 60.6456, 50.4672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3412, 64.7548, 31.9833 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(189, 222, 133)` looks like.

```
.text, #text, p{  
    color:rgb(189, 222, 133)  
}
```

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(189, 222, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 222, 133) }
```

Border

The CSS property to change the border of an element to XYZ 51.3412, 64.7548, 31.9833 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(189, 222, 133) }
```


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

```
.border{ border-color:rgb(189, 222, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 222, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 222, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 222, 133);  
box-shadow:4px 4px 4px 4px rgb(189, 222,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3412, 64.7548, 31.9833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 222, 133) }
```

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

```
.background{ background-color: rgb(189,  
222, 133) }
```

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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