

Converting Colors

XYZ(63.0707, 75.9122, 50.6687)

Have a look what the booklet for
XYZ(63.0707, 75.9122, 50.6687)
contains.

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Color

**XYZ(62.9833, 75.6992,
50.8270)**

Conversions

Conversions Part 1

Format	Color
Hex	CFEBAD
RGB	207, 235, 173
RGB Percent	81%, 92%, 68%
CMY	0.1882, 0.0784, 0.3216
CMYK	0.12, 0.00, 0.26, 0.08
HSL	87°, 61%, 80%
HSV	87°, 26%, 92%
XYZ	62.9833, 75.6992, 50.8270
YIQ	219.5600, 3.2140, -25.2180

Conversions

Conversions Part 2

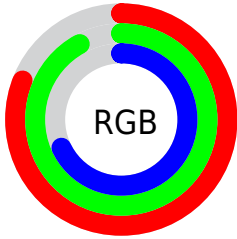
Format	Color
RYB	173, 235, 201
Decimal	13626285
CIELab	89.72, -19.78, 27.13
CIELCh	90, 33.571, 126.090
Yxy	75.6992, 0.3323, 0.3994
Android (android.graphics.Color)	4291816365 (0xFFCFEBAD)
YUV	219.5600, -22.9541, -11.0151
Hunter-Lab	87.0053, -23.0427, 26.2675

Details

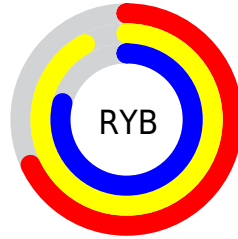
The XYZ color **62.9833, 75.6992, 50.8270** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.0294, 48.3049, 85.0775**, and the grayscale version is **67.8759, 71.4107, 77.7662**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **32.4592, 40.2717, 23.8317** is the 20% darker color. If you saturate the color by 10%, you get **58.0404, 73.3934, 39.7515**, and if you desaturate by 10%, it is **68.5295, 78.2744, 64.0216**.

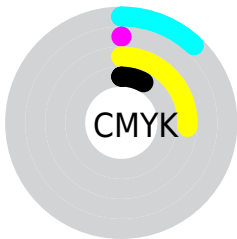
Distribution



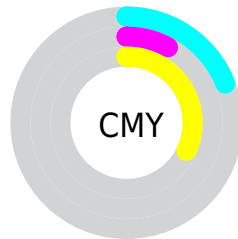
- Red (81%)
- Green (92%)
- Blue (68%)



- Red (68%)
- Yellow (92%)
- Blue (79%)



- Cyan (12%)
- Magenta (0%)
- Yellow (26%)
- Black (8%)



- Cyan (19%)
- Magenta (8%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.9833, 75.6992, 50.8270 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 62.9833, 75.6992, 50.8270 by changing the saturation by 10% instead.

■ 62.9833, 75.6992,
50.8270

■ 62.9833, 75.6992,
50.8270

425.1695,
480.3174, 406.7186

■ 46.0863, 56.1859,
35.6952

■ 108.2274,
127.3016, 92.8079

■ 32.5188, 40.3520,
23.9110

137.3051,
160.1595, 120.4940

■ 21.9156, 27.8131,
15.0561

171.1739,
198.2344, 153.2020

■ 13.9111, 18.1848,
8.7117

210.1989,
241.9107, 191.3504

■ 8.1402, 11.0828,
4.4594

254.7457,
291.5727, 235.3577

■ 4.2373, 6.1225,
1.8806

305.1794,

■ 1.8373, 2.9197,


347.6049, 285.6425


0.4803


361.8656,
410.3917, 342.6233


 0.5400, 1.0900,
0.0000


 0.0000, 0.0000,
0.0000


 62.9833, 75.6992,
50.8270


 62.9833, 75.6992,
50.8270

 58.0404, 73.3934,
39.7515


 68.5295, 78.2744,
64.0216


 53.6702, 71.3367,
30.6797

 74.6964, 81.1188,
79.4330

 49.8477, 69.5213,
23.4926

 81.5077, 84.2449,
97.1584

 46.5434, 67.9347,
18.0568

 86.9904, 86.8638,
106.7893

■ 43.7244, 66.5635,
14.2210

■ 88.9999, 87.8998,
106.8833

■ 41.3528, 65.3918,
11.8088

■ 39.3820, 64.4006,
10.5989

■ 38.7421, 64.0761,
10.3260

Harmonies

Analogous

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



70.2759, 75.6992, 44.9257



62.9833, 75.6992, 50.8270



58.3696, 75.6992, 65.3089

Triad

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



62.9833, 75.6992, 50.8270



65.6953, 75.6992, 131.4608



88.9487, 75.6992, 77.6858

Complementary

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



62.9833, 75.6992, 50.8270



54.0294, 48.3049, 85.0775

Split Complementary

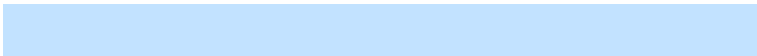
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4882, 75.6992, 102.2940



62.9833, 75.6992, 50.8270



73.6501, 75.6992, 136.5084

Square

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



62.9833, 75.6992, 50.8270



59.8494, 75.6992, 112.2661



81.7293, 75.6992, 124.9750



85.5803, 75.6992, 58.4020

Rectangle

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



62.9833, 75.6992, 50.8270



57.2224, 75.6992, 79.3569



81.7293, 75.6992, 124.9750



89.0094, 75.6992, 85.5682

Sweetspot

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



62.9853, 75.7025, 50.8286



88.6287, 97.0492, 92.3557



62.6700, 62.4087, 48.2793



18.7237, 20.6590, 19.1451



0.0000, 0.0000, 0.0000



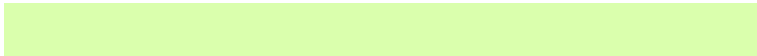
20.3446, 21.4041, 23.3091

Same Dimension

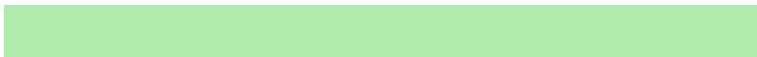
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.9853, 75.7025, 50.8286



72.2982, 89.4803, 53.1993



55.1806, 71.6790, 50.4634



15.6579, 17.2692, 16.0267



21.7098, 35.7363, 5.7536



1.8153, 2.8632, 0.4570

Inverse Universe

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



54.0294, 48.3049, 85.0775



59.7217, 51.0000, 101.3041



63.1881, 53.0264, 85.5061



14.8773, 14.8820, 19.0107



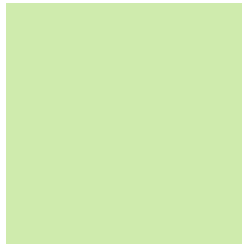
11.8057, 5.1220, 44.1094



1.0365, 0.4586, 3.4688

Previews

White Background



This preview shows how the XYZ color 62.9833, 75.6992, 50.8270 looks on a white background.

Color Contrast Check

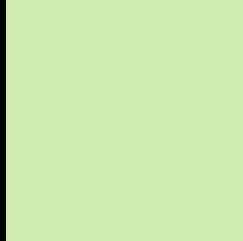
Large Text (above 18pt) WCAG AA × Fail

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 62.9833, 75.6992, 50.8270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

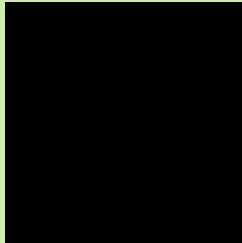
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.9833, 75.6992, 50.8270

Background



This preview shows how black text looks on a background with the XYZ color 62.9833, 75.6992, 50.8270.

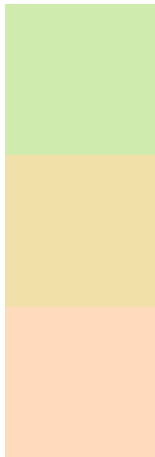


This preview shows how white text looks on a background with the XYZ color 62.9833, 75.6992,

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

62.9833, 75.6992, 50.8270

Protanopia

70.2687, 75.3784, 47.8917

Deuteranopia

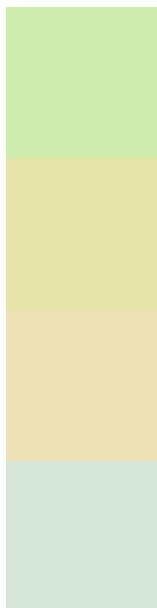
75.4967, 75.0769, 58.6563



Tritanopia

72.1408, 75.6761, 96.3927

Trichromacy



Original Color

62.9833, 75.6992, 50.8270

Protanomaly

67.5881, 75.5989, 49.0600

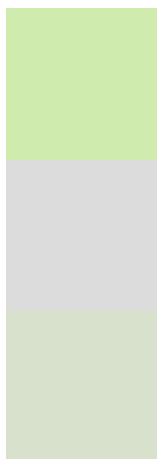
Deuteranomaly

70.4628, 74.9073, 55.5445

Tritanomaly

68.1148, 75.2467, 77.2637

Monochromacy



Original Color

62.9833, 75.6992, 50.8270

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

65.7290, 72.6093, 67.0506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.9833, 75.6992, 50.8270 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(207, 235, 173)` looks like.

```
.text, #text, p{  
    color:rgb(207, 235, 173)  
}
```

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(207, 235, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 235, 173) }
```

Border

The CSS property to change the border of an element to XYZ 62.9833, 75.6992, 50.8270 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(207, 235, 173) }
```


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

```
.border{ border-color:rgb(207, 235, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 235, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 235, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 235, 173);  
box-shadow:4px 4px 4px 4px rgb(207, 235,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 62.9833, 75.6992, 50.8270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 235, 173) }
```

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

```
.background{ background-color: rgb(207,  
235, 173) }
```

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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