

Converting Colors

XYZ(62.5734, 76.6892, 50.9742)

Have a look what the booklet for
XYZ(62.5734, 76.6892, 50.9742)
contains.

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Color

**XYZ(62.7460, 76.8627,
51.0641)**

Conversions

Conversions Part 1

Format	Color
Hex	CBEEAD
RGB	203, 238, 173
RGB Percent	80%, 93%, 68%
CMY	0.2039, 0.0666, 0.3216
CMYK	0.15, 0.00, 0.27, 0.07
HSL	92°, 66%, 81%
HSV	92°, 27%, 93%
XYZ	62.7460, 76.8627, 51.0641
YIQ	220.1250, 0.0050, -27.6350

Conversions

Conversions Part 2

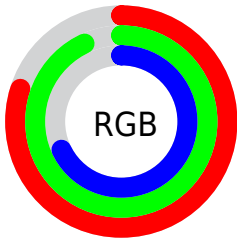
Format	Color
RYB	173, 238, 208
Decimal	13364909
CIELab	90.26, -22.65, 27.82
CIELCh	90, 35.870, 129.150
Yxy	76.8627, 0.3291, 0.4031
Android (android.graphics.Color)	4291554989 (0xFFCBEEAD)
YUV	220.1250, -23.2326, -15.0186
Hunter-Lab	87.6714, -25.6733, 26.8366

Details

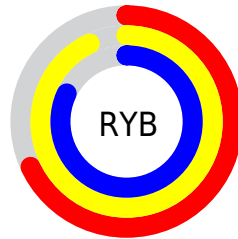
The XYZ color **62.7460, 76.8627, 51.0641** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.3917, 49.4722, 87.4700**, and the grayscale version is **68.2737, 71.8292, 78.2220**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **32.3309, 41.1079, 23.9999** is the 20% darker color. If you saturate the color by 10%, you get **57.2983, 74.2994, 39.8396**, and if you desaturate by 10%, it is **68.8966, 79.7455, 64.4661**.

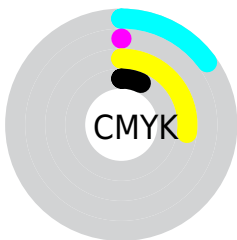
Distribution



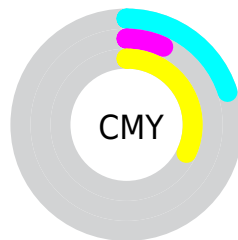
- Red (80%)
- Green (93%)
- Blue (68%)



- Red (68%)
- Yellow (93%)
- Blue (82%)



- Cyan (15%)
- Magenta (0%)
- Yellow (27%)
- Black (7%)



- Cyan (20%)
- Magenta (7%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7460, 76.8627, 51.0641 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 62.7460, 76.8627, 51.0641 by changing the saturation by 10% instead.

■ 62.7460, 76.8627,
51.0641

■ 62.7460, 76.8627,
51.0641

424.3214,
484.2958, 407.6664

■ 45.8936, 57.1402,
35.8825

■ 107.8869,
128.9457, 93.1620

■ 32.3662, 41.1178,
24.0545

136.9061,
162.0749, 120.9154

■ 21.7982, 28.4111,
15.1615

170.7116,
200.4418, 153.6965

■ 13.8245, 18.6358,
8.7849

209.6688,
244.4308, 191.9239

■ 8.0796, 11.4074,
4.5063

254.1430,
294.4264, 236.0160

■ 4.1981, 6.3416,
1.9070

304.4996,

■ 1.8148, 3.0539,

350.8128, 286.3914

0.4972

361.1040,
413.9744, 343.4687

■ 0.5266, 1.1599,
0.0000

■ 0.0000, 0.0286,
0.0000

■ 62.7460, 76.8627,
51.0641

■ 62.7460, 76.8627,
51.0641

■ 57.2983, 74.2994,
39.8396

■ 68.8966, 79.7455,
64.4661

■ 52.5188, 72.0335,
30.6725

■ 75.7710, 82.9494,
80.1471

■ 48.3784, 70.0548,
23.4389

■ 83.3964, 86.4886,
98.2083

■ 44.8433, 68.3492,
17.9994

■ 89.5972, 89.4936,
107.1594

■ 41.8756, 66.9004,
14.1960

■ 89.8661, 89.6322,
107.1720

■ 39.4320, 65.6902,
11.8429

■ 37.4578, 64.6958,
10.6970

■ 36.9864, 64.4568,
10.4920

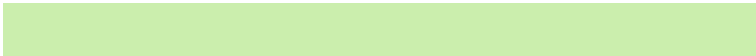
Harmonies

Analogous

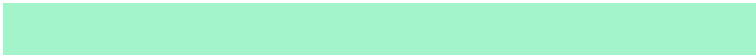
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.3602, 76.8627, 43.9352



62.7460, 76.8627, 51.0641



58.1607, 76.8627, 67.3848

Triad

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



62.7460, 76.8627, 51.0641



67.1151, 76.8627, 138.5466



91.3457, 76.8627, 76.1146

Complementary

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



62.7460, 76.8627, 51.0641



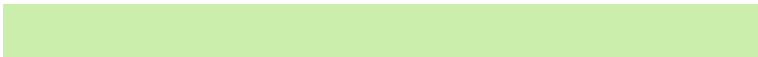
56.3917, 49.4722, 87.4700

Split Complementary

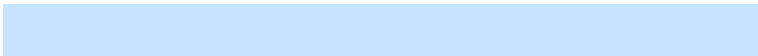
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.2986, 76.8627, 102.4346



62.7460, 76.8627, 51.0641



75.8192, 76.8627, 142.2081

Square

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



62.7460, 76.8627, 51.0641



60.5368, 76.8627, 118.7203



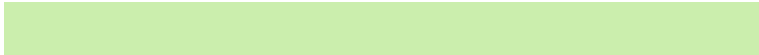
84.4370, 76.8627, 127.8932



87.1914, 76.8627, 56.3333

Rectangle

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



62.7460, 76.8627, 51.0641



57.2021, 76.8627, 82.9630



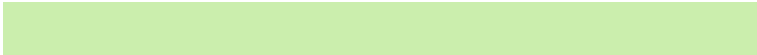
84.4370, 76.8627, 127.8932



91.5972, 76.8627, 84.4221

Sweetspot

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



62.7480, 76.8660, 51.0658



88.0109, 96.7308, 92.3268



65.2804, 66.1466, 48.8632



18.5682, 20.5788, 19.1378



0.0000, 0.0000, 0.0000



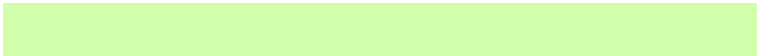
20.3446, 21.4041, 23.3091

Same Dimension

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



62.7480, 76.8660, 51.0658



69.5851, 88.1100, 51.7926



55.5647, 73.1385, 51.8331



16.2592, 18.0138, 16.7698



20.7794, 36.0337, 5.8600



1.8422, 3.0562, 0.4928

Inverse Universe

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



56.3917, 49.4722, 87.4700



60.9523, 50.9133, 101.2225



65.3226, 54.1128, 86.2359



15.7104, 15.6479, 19.9139



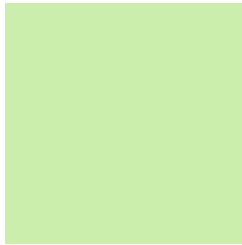
13.7412, 6.0892, 45.5790



1.2578, 0.5657, 3.7971

Previews

White Background



This preview shows how the XYZ color 62.7460, 76.8627, 51.0641 looks on a white background.

Color Contrast Check

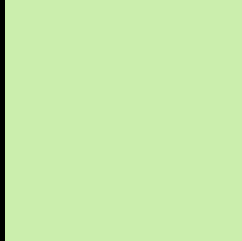
Large Text (above 18pt) WCAG AA × Fail

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 62.7460, 76.8627, 51.0641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

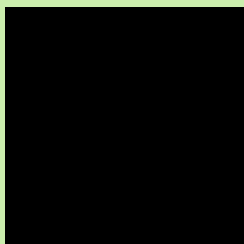
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

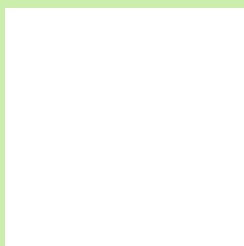
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.7460, 76.8627, 51.0641

Background



This preview shows how black text looks on a background with the XYZ color 62.7460, 76.8627, 51.0641.

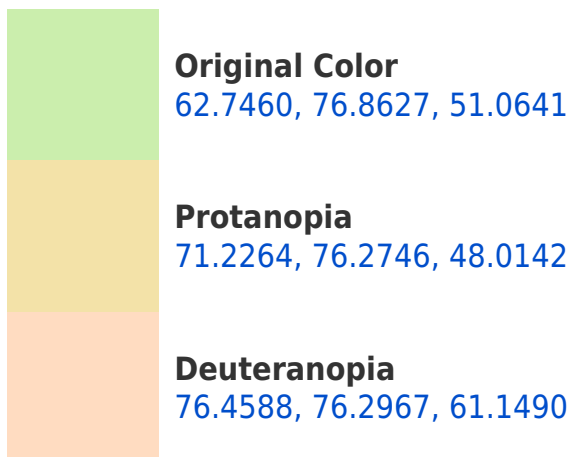


This preview shows how white text looks on a background with the XYZ color 62.7460, 76.8627,

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

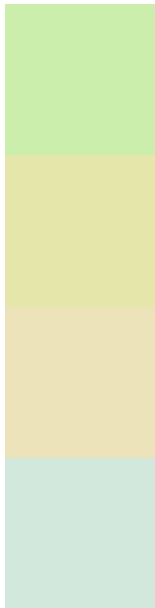




Tritanopia

72.2635, 76.4983, 98.9527

Trichromacy



Original Color

62.7460, 76.8627, 51.0641

Protanomaly

67.5474, 75.9899, 49.1376

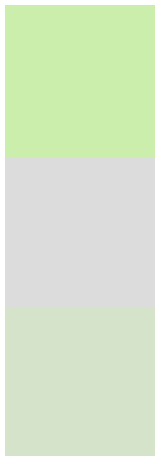
Deuteranomaly

70.9241, 76.3162, 57.4468

Tritanomaly

68.3532, 76.5822, 78.8894

Monochromacy



Original Color

62.7460, 76.8627, 51.0641

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

65.9801, 73.5461, 67.2182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.7460, 76.8627, 51.0641 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(203, 238, 173)` looks like.

```
.text, #text, p{  
    color:rgb(203, 238, 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(203, 238, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 238, 173) }
```

Border

The CSS property to change the border of an element to XYZ 62.7460, 76.8627, 51.0641 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(203, 238, 173) }
```


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

```
.border{ border-color:rgb(203, 238, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 238, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 238, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 238, 173);  
box-shadow:4px 4px 4px 4px rgb(203, 238,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 62.7460, 76.8627, 51.0641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 238, 173) }
```

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

```
.background{ background-color: rgb(203,  
238, 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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