

Converting Colors

XYZ(62.6802, 76.8988, 49.5284)

Have a look what the booklet for
XYZ(62.6802, 76.8988, 49.5284)
contains.

XYZ(62.7321, 76.8887, 49.5649)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(62.7321, 76.8887,
49.5649)**

Conversions

Conversions Part 1

Format	Color
Hex	CCEEAA
RGB	204, 238, 170
RGB Percent	80%, 93%, 67%
CMY	0.2000, 0.0666, 0.3333
CMYK	0.14, 0.00, 0.29, 0.07
HSL	90°, 67%, 80%
HSV	90°, 29%, 93%
XYZ	62.7321, 76.8887, 49.5649
YIQ	220.0820, 1.5640, -28.3560

Conversions

Conversions Part 2

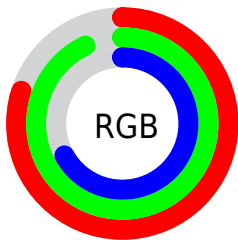
Format	Color
RYB	170, 238, 204
Decimal	13430442
CIELab	90.27, -22.73, 29.37
CIELCh	90, 37.141, 127.734
Yxy	76.8887, 0.3316, 0.4064
Android (android.graphics.Color)	4291620522 (0xFFCCEEA)
YUV	220.0820, -24.6904, -14.1039
Hunter-Lab	87.6862, -25.7491, 27.8665

Details

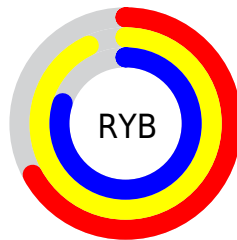
The XYZ color **62.7321, 76.8887, 49.5649** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.7123, 47.7620, 87.2284**, and the grayscale version is **68.2527, 71.8071, 78.1980**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **32.3333, 41.1298, 23.0643** is the 20% darker color. If you saturate the color by 10%, you get **57.5435, 74.4533, 38.6145**, and if you desaturate by 10%, it is **68.5816, 79.6224, 62.6769**.

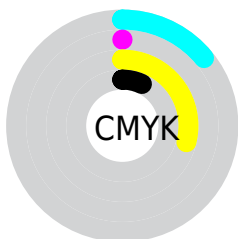
Distribution



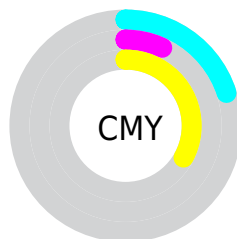
- Red (80%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (80%)



- Cyan (14%)
- Magenta (0%)
- Yellow (29%)
- Black (7%)




- Cyan (20%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.7321, 76.8887, 49.5649 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 62.7321, 76.8887, 49.5649 by changing the saturation by 10% instead.


 62.7321, 76.8887,
49.5649

 62.7321, 76.8887,
49.5649


424.2717,
484.3845, 401.6482

 45.8823, 57.1615,
34.6990


 107.8669,
128.9824, 90.9195

 32.3572, 41.1349,
23.1494


136.8827,
162.1176, 118.2454

 21.7914, 28.4245,
14.4976


170.6845,
200.4911, 150.5617

 13.8194, 18.6459,
8.3248

209.6377,
244.4871, 188.2869

 8.0760, 11.4147,
4.2128

254.1077,
294.4900, 231.8396

 4.1959, 6.3465,
1.7428


304.4598,


 1.8135, 3.0569,


350.8843, 281.6384


0.3898


361.0593,
414.0543, 338.1017


 0.5258, 1.1615,
0.0000


 0.0000, 0.0299,
0.0000


 62.7321, 76.8887,
49.5649


 62.7321, 76.8887,
49.5649


 57.5435, 74.4533,
38.6145


 68.5816, 79.6224,
62.6769


 52.9824, 72.2944,
29.7047

 75.1117, 82.6553,
78.0531

 49.0209, 70.4029,
22.7100

 82.3487, 86.0009,
95.7954

 45.6262, 68.7649,
17.4890

 88.6285, 88.9942,
107.1141

■ 42.7617, 67.3651,
13.8809

■ 89.8661, 89.6322,
107.1720

■ 40.3849, 66.1857,
11.6956

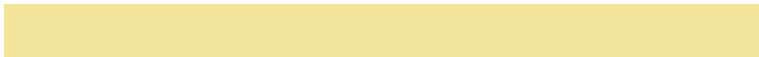
■ 38.4367, 65.2023,
10.6571

■ 38.1828, 65.0736,
10.5480

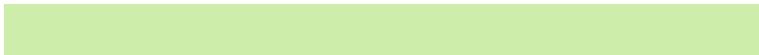
Harmonies

Analogous

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



70.7142, 76.8887, 42.7254



62.7321, 76.8887, 49.5649



57.8328, 76.8887, 65.8717

Triad

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



62.7321, 76.8887, 49.5649



66.5495, 76.8887, 140.2246



92.1486, 76.8887, 77.0528

Complementary

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



62.7321, 76.8887, 49.5649



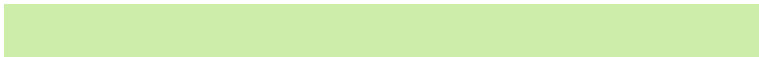
54.7123, 47.7620, 87.2284

Split Complementary

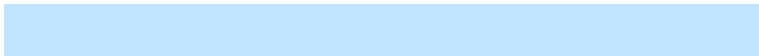
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.7969, 76.8887, 104.5291



62.7321, 76.8887, 49.5649



75.4988, 76.8887, 144.9784

Square

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



62.7321, 76.8887, 49.5649



59.9037, 76.8887, 118.9011



84.5084, 76.8887, 130.7822



88.0601, 76.8887, 56.2668

Rectangle

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



62.7321, 76.8887, 49.5649



56.7179, 76.8887, 81.7217



84.5084, 76.8887, 130.7822



92.3212, 76.8887, 85.7480

Sweetspot

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



62.7341, 76.8921, 49.5666



87.4758, 96.4971, 90.3965



64.1114, 64.2680, 47.0573



18.4750, 20.5392, 18.7541



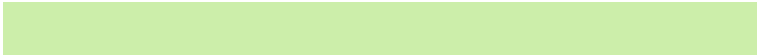
0.0000, 0.0000, 0.0000



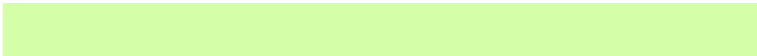
20.3446, 21.4041, 23.3091

Same Dimension

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



62.7341, 76.8921, 49.5666



69.9053, 88.3029, 50.5522



54.4101, 72.6009, 49.1770



16.3189, 18.0445, 16.7726



21.4504, 36.3796, 5.8914



1.8992, 3.0856, 0.4955

Inverse Universe

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



54.7123, 47.7620, 87.2284



59.1598, 49.2818, 101.0020



65.0703, 53.1017, 87.7131



15.6504, 15.6170, 19.9111



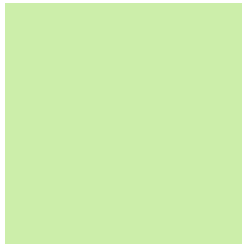
13.0043, 5.7094, 45.5445



1.1966, 0.5341, 3.7942

Previews

White Background



This preview shows how the XYZ color 62.7321, 76.8887, 49.5649 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 62.7321, 76.8887, 49.5649 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 62.7321, 76.8887, 49.5649

Background



This preview shows how black text looks on a background with the XYZ color 62.7321, 76.8887, 49.5649.

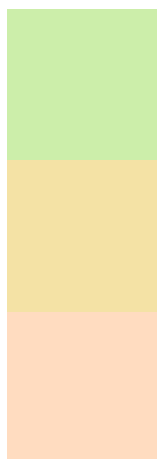


This preview shows how white text looks on a background with the XYZ color 62.7321, 76.8887,

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

62.7321, 76.8887, 49.5649

Protanopia

71.2961, 76.3424, 46.5752

Deuteranopia

76.3476, 76.2522, 60.5634



Tritanopia

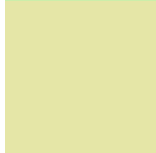
72.4023, 76.5877, 98.1557

Trichromacy



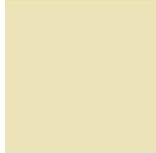
Original Color

62.7321, 76.8887, 49.5649



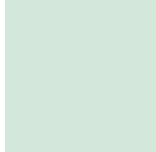
Protanomaly

67.5850, 76.0417, 47.6746



Deuteranomaly

70.7129, 76.2317, 56.3346



Tritanomaly

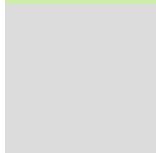
68.3755, 76.6241, 77.5158

Monochromacy



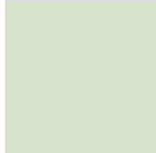
Original Color

62.7321, 76.8887, 49.5649



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

65.8613, 73.4986, 66.5925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.7321, 76.8887, 49.5649 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(204, 238, 170)` looks like.

```
.text, #text, p{  
    color:rgb(204, 238, 170)  
}
```

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(204, 238, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 238, 170) }
```

Border

The CSS property to change the border of an element to XYZ 62.7321, 76.8887, 49.5649 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(204, 238, 170) }
```


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

```
.border{ border-color:rgb(204, 238, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 238, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 238, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 238, 170);  
box-shadow:4px 4px 4px 4px rgb(204, 238,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 62.7321, 76.8887, 49.5649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 238, 170) }
```

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

```
.background{ background-color: rgb(204,  
238, 170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor