

Converting Colors

XYZ(63.1397, 76.2114, 55.1501)

Have a look what the booklet for
XYZ(63.1397, 76.2114, 55.1501)
contains.

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Color

**XYZ(62.9645, 76.0236,
55.0715)**

Conversions

Conversions Part 1

Format	Color
Hex	CBECB5
RGB	203, 236, 181
RGB Percent	80%, 93%, 71%
CMY	0.2039, 0.0745, 0.2902
CMYK	0.14, 0.00, 0.23, 0.07
HSL	96°, 59%, 82%
HSV	96°, 23%, 93%
XYZ	62.9645, 76.0236, 55.0715
YIQ	219.8630, -2.0130, -24.1010

Conversions

Conversions Part 2

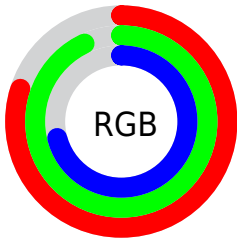
Format	Color
RYB	181, 236, 214
Decimal	13364405
CIELab	89.87, -20.47, 23.18
CIElCh	90, 30.927, 131.440
Yxy	76.0236, 0.3245, 0.3918
Android (android.graphics.Color)	4291554485 (0xFFCBECB5)
YUV	219.8630, -19.1595, -14.7889
Hunter-Lab	87.1915, -23.6831, 23.5856

Details

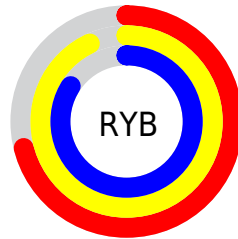
The XYZ color **62.9645, 76.0236, 55.0715** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.3989, 53.4022, 86.5380**, and the grayscale version is **68.0641, 71.6087, 77.9819**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **32.4303, 40.4969, 26.5295** is the 20% darker color. If you saturate the color by 10%, you get **57.0635, 73.2403, 43.2076**, and if you desaturate by 10%, it is **69.6320, 79.1592, 69.1157**.

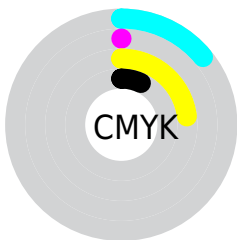
Distribution



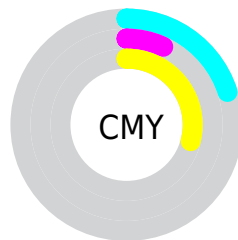
- Red (80%)
- Green (93%)
- Blue (71%)



- Red (71%)
- Yellow (93%)
- Blue (84%)



- Cyan (14%)
- Magenta (0%)
- Yellow (23%)
- Black (7%)




- Cyan (20%)
- Magenta (7%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.9645, 76.0236, 55.0715 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 62.9645, 76.0236, 55.0715 by changing the saturation by 10% instead.


 62.9645, 76.0236,
55.0715

 62.9645, 76.0236,
55.0715


425.1024,
481.4285, 423.4725

 46.0710, 56.4519,
39.0600


 108.2004,
127.7603, 99.1179

 32.5067, 40.5653,
26.4982


137.2735,
160.6940, 127.9899

 21.9063, 27.9796,
16.9676


171.1373,
198.8505, 161.9857

 13.9043, 18.3103,
10.0497

210.1569,
242.6141, 201.5241

 8.1354, 11.1730,
5.3259

254.6979,
292.3694, 247.0233

 4.2342, 6.1833,
2.3776


305.1256,

 1.8355, 2.9569,

348.5006, 298.9022


0.7742

361.8053,
411.3922, 357.5790


 0.5389, 1.1093,
0.0000


 0.0000, 0.0000,
0.0000


 62.9645, 76.0236,
55.0715


 62.9645, 76.0236,
55.0715

 57.0635, 73.2403,
43.2076


 69.6320, 79.1592,
69.1157


 51.8931, 70.7864,
33.4096

 77.0884, 82.6496,
85.4367

 47.4230, 68.6511,
25.5607

 85.3623, 86.5097,
104.1314

 43.6182, 66.8192,
19.5298

 89.2870, 88.4740,
106.9790

■ 40.4402, 65.2740,
15.1703

■ 37.8454, 63.9969,
12.3123

■ 35.7829, 62.9661,
10.7501

■ 34.6532, 62.3944,
10.2169

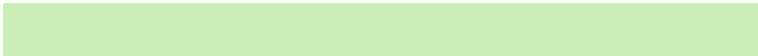
Harmonies

Analogous

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



69.3833, 76.0236, 48.0067



62.9645, 76.0236, 55.0715



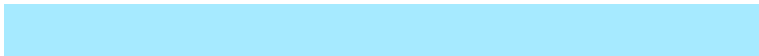
59.2064, 76.0236, 70.0933

Triad

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



62.9645, 76.0236, 55.0715



67.6819, 76.0236, 129.4134



87.6355, 76.0236, 74.7091

Complementary

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



62.9645, 76.0236, 55.0715



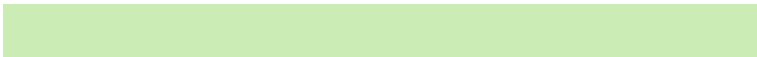
59.3989, 53.4022, 86.5380

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.



87.0995, 76.0236, 96.9049



62.9645, 76.0236, 55.0715



75.2113, 76.0236, 131.2439

Square

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



62.9645, 76.0236, 55.0715



61.7947, 76.0236, 113.8628



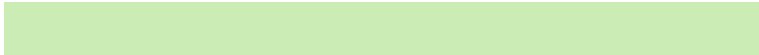
82.4241, 76.0236, 118.4947



83.8407, 76.0236, 57.9360

Rectangle

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



62.9645, 76.0236, 55.0715



58.5439, 76.0236, 83.8383



82.4241, 76.0236, 118.4947



87.9625, 76.0236, 81.7243

Sweetspot

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



62.9665, 76.0269, 55.0732



88.4766, 96.9281, 94.2815



66.9822, 69.2653, 53.5564



18.8211, 20.6921, 19.9242



0.0000, 0.0000, 0.0000



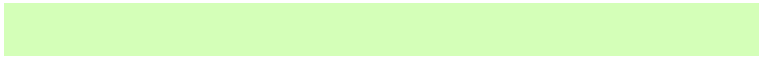
20.3446, 21.4041, 23.3091

Same Dimension

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



62.9665, 76.0269, 55.0732



71.5664, 88.9843, 58.5316



57.9700, 73.3846, 57.8442



15.4385, 17.1561, 16.0165



19.2373, 34.4617, 5.6379



1.6165, 2.7607, 0.4477

Inverse Universe

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



59.3989, 53.4022, 86.5380



66.6108, 57.5756, 102.2102



65.4721, 56.6240, 82.7141



15.0982, 14.9959, 19.0210



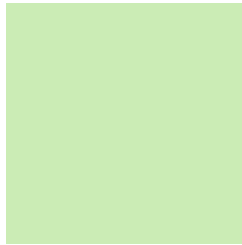
14.6080, 6.5666, 44.2405



1.2551, 0.5713, 3.4790

Previews

White Background



This preview shows how the XYZ color 62.9645, 76.0236, 55.0715 looks on a white background.

Color Contrast Check

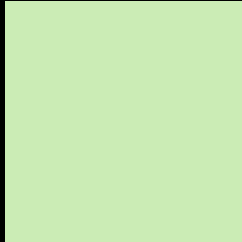
Large Text (above 18pt) WCAG AA × Fail

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 62.9645, 76.0236, 55.0715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

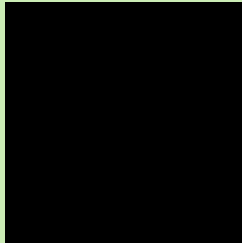
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

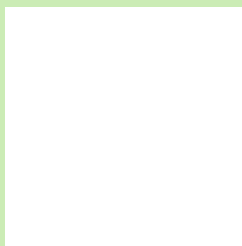
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.9645, 76.0236, 55.0715

Background



This preview shows how black text looks on a background with the XYZ color 62.9645, 76.0236, 55.0715.

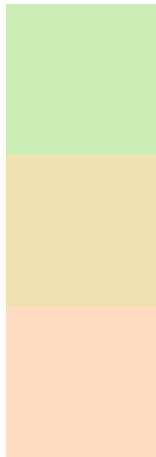


This preview shows how white text looks on a background with the XYZ color 62.9645, 76.0236,

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



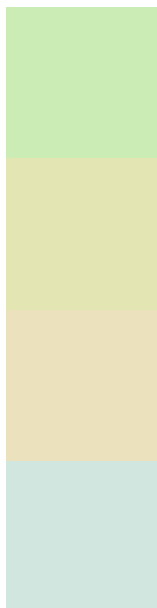
Original Color
62.9645, 76.0236, 55.0715
Protanopia
70.6969, 75.5103, 51.9231
Deuteranopia
76.3091, 75.8181, 61.6514



Tritanopia

71.3911, 75.6769, 97.2306

Trichromacy



Original Color

62.9645, 76.0236, 55.0715

Protanomaly

67.7337, 75.5839, 53.1387

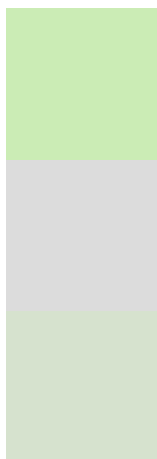
Deuteranomaly

70.7026, 75.3574, 58.9631

Tritanomaly

67.7761, 75.4229, 80.0931

Monochromacy



Original Color

62.9645, 76.0236, 55.0715

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.0685, 73.1451, 69.0288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.9645, 76.0236, 55.0715 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, 236, 181)` looks like.

```
.text, #text, p{  
    color:rgb(203, 236, 181)  
}
```

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, 236, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 236, 181) }
```

Border

The CSS property to change the border of an element to XYZ 62.9645, 76.0236, 55.0715 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, 236, 181) }
```


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

```
.border{ border-color:rgb(203, 236, 181) }
```

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

Here you see how a box with a 4 pixel rgb(203, 236, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 236, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 236, 181);  
box-shadow:4px 4px 4px 4px rgb(203, 236,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 62.9645, 76.0236, 55.0715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 236, 181) }
```

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

```
.background{ background-color: rgb(203,  
236, 181) }
```

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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