

Converting Colors

XYZ(63.0370, 77.5069, 64.1828)

Have a look what the booklet for
XYZ(63.0370, 77.5069, 64.1828)
contains.

XYZ(63.2305, 77.6889, 64.4862)	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(63.2305, 77.6889,
64.4862)**

Conversions

Conversions Part 1

Format	Color
Hex	C1F0C5
RGB	193, 240, 197
RGB Percent	76%, 94%, 77%
CMY	0.2431, 0.0588, 0.2274
CMYK	0.20, 0.00, 0.18, 0.06
HSL	125°, 61%, 85%
HSV	125°, 20%, 94%
XYZ	63.2305, 77.6889, 64.4862
YIQ	221.0450, -14.2090, -23.3370

Conversions

Conversions Part 2

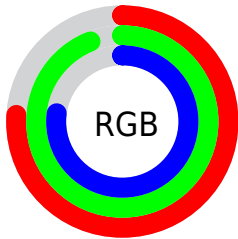
Format	Color
RYB	193, 236, 240
Decimal	12710085
CIELab	90.64, -23.16, 15.90
CIElCh	91, 28.096, 145.532
Yxy	77.6889, 0.3078, 0.3782
Android (android.graphics.Color)	4290900165 (0xFFC1F0C5)
YUV	221.0450, -11.8542, -24.5955
Hunter-Lab	88.1413, -26.1956, 18.3210

Details

The XYZ color **63.2305, 77.6889, 64.4862** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.1482, 62.7232, 87.7700**, and the grayscale version is **68.8484, 72.4339, 78.8805**.

A 20% lighter version of the original color is **93.0737, 98.9998, 107.9693**, and **32.7459, 41.7531, 32.3199** is the 20% darker color. If you saturate the color by 10%, you get **55.2662, 73.8552, 51.9229**, and if you desaturate by 10%, it is **72.5584, 82.1876, 79.0297**.

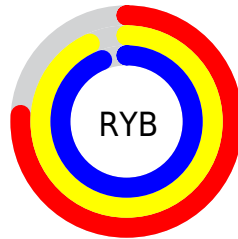
Distribution



Red (76%)

Green (94%)

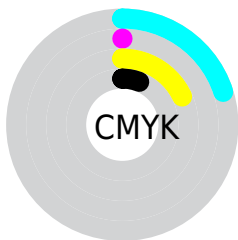
Blue (77%)



Red (76%)

Yellow (93%)

Blue (94%)

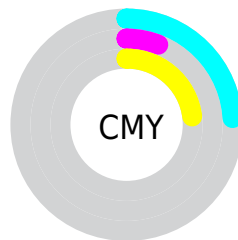


Cyan (20%)

Magenta (0%)

Yellow (18%)

Black (6%)



Cyan (24%)


Magenta (6%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.2305, 77.6889, 64.4862 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 63.2305, 77.6889, 64.4862 by changing the saturation by 10% instead.


 63.2305, 77.6889,
64.4862

 63.2305, 77.6889,
64.4862


426.0519,
487.1096, 459.1989

 46.2871, 57.8185,
46.5959


 108.5819,
130.1115, 112.9170

 32.6780, 41.6627,
32.3642


137.7206,
163.4324, 144.2946

 22.0379, 28.8373,
21.3727


171.6551,
202.0056, 181.0051

 14.0015, 18.9578,
13.2028

210.7508,
246.2155, 223.4669

 8.2034, 11.6398,
7.4360

255.3729,
296.4464, 272.0987

 4.2783, 6.4989,
3.6537

305.8869,

 1.8608, 3.1507,

353.0828, 327.3189

1.4373

362.6581,
416.5091, 389.5461

■ 0.5539, 1.2109,
0.1706

■ 0.0000, 0.0706,
0.0000

■ 63.2305, 77.6889,
64.4862

■ 63.2305, 77.6889,
64.4862

■ 55.2662, 73.8552,
51.9229

■ 72.5584, 82.1876,
79.0297

■ 48.5957, 70.6458,
41.2492

■ 83.3030, 87.3704,
95.6282

■ 43.1522, 68.0304,
32.3753

■ 90.4516, 90.8032,
107.3672

■ 38.8608, 65.9724,
25.2020

■ 35.6382, 64.4313,
19.6207

■ 33.3897, 63.3608,
15.5099

■ 32.0040, 62.7065,
12.7310

■ 31.3126, 62.3851,
11.1173

■ 31.2917, 62.3753,
11.0723

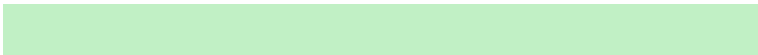
Harmonies

Analogous

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



68.1571, 77.6889, 54.2007



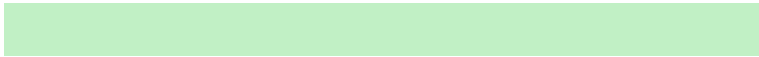
63.2305, 77.6889, 64.4862



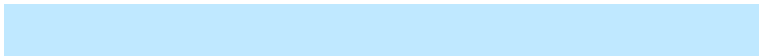
61.1473, 77.6889, 81.6049

Triad

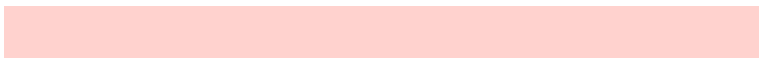
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.2305, 77.6889, 64.4862



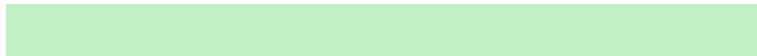
72.7912, 77.6889, 129.4412



86.7457, 77.6889, 68.9520

Complementary

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



63.2305, 77.6889, 64.4862



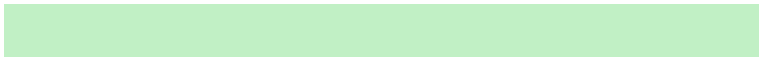
70.1482, 62.7232, 87.7700

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.



88.1800, 77.6889, 87.6471



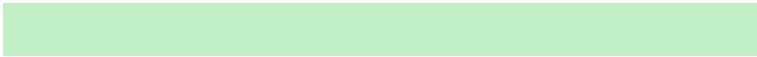
63.2305, 77.6889, 64.4862



79.8324, 77.6889, 124.6297

Square

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



63.2305, 77.6889, 64.4862



66.4397, 77.6889, 120.7589



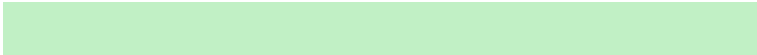
85.5766, 77.6889, 108.4900



81.7724, 77.6889, 56.4771

Rectangle

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



63.2305, 77.6889, 64.4862



61.5480, 77.6889, 95.4051



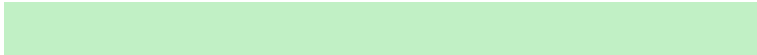
85.5766, 77.6889, 108.4900



87.6707, 77.6889, 74.6247

Sweetspot

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



63.2326, 77.6922, 64.4879



87.4709, 96.3438, 97.2068



75.4088, 84.0215, 62.6963



18.5536, 20.5401, 20.5451



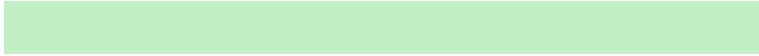
0.0000, 0.0000, 0.0000



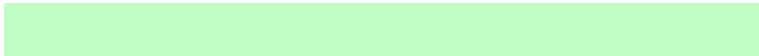
20.3446, 21.4041, 23.3091

Same Dimension

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



63.2326, 77.6922, 64.4879



68.2667, 87.0868, 67.2496



66.1283, 78.8505, 79.7367



15.6205, 17.6782, 17.0245



17.1483, 34.1513, 6.1638



1.4452, 2.8485, 0.6108

Inverse Universe

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



70.1482, 62.7232, 87.7700



77.7099, 66.6436, 99.0387



66.9650, 61.4499, 71.0074



16.3928, 16.0068, 19.6249



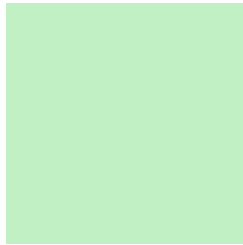
26.7369, 12.9672, 38.1266



2.2412, 1.0855, 3.2611

Previews

White Background



This preview shows how the XYZ color 63.2305, 77.6889, 64.4862 looks on a white background.

Color Contrast Check

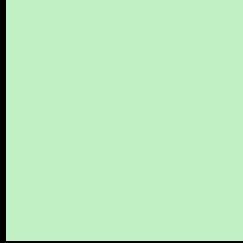
Large Text (above 18pt) WCAG AA × Fail

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 63.2305, 77.6889, 64.4862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

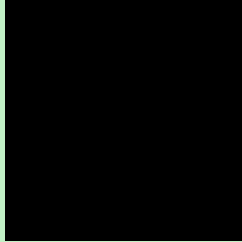
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

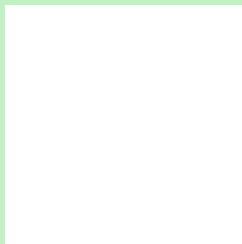
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.2305, 77.6889, 64.4862

Background



This preview shows how black text looks on a background with the XYZ color 63.2305, 77.6889, 64.4862.



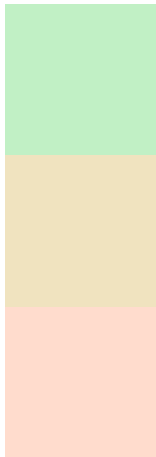
This preview shows how white text looks on a background with the XYZ color 63.2305, 77.6889,

64.4862.

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

63.2305, 77.6889, 64.4862

Protanopia

72.8082, 77.2250, 60.3587

Deuteranopia

77.8526, 76.8542, 68.4887



Tritanopia

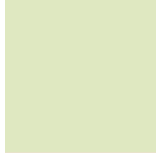
70.9086, 77.7994, 102.5463

Trichromacy



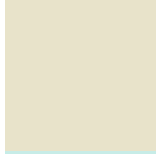
Original Color

63.2305, 77.6889, 64.4862



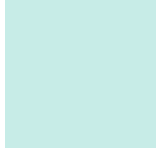
Protanomaly

68.9137, 77.2515, 61.7310



Deuteranomaly

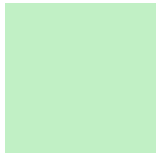
71.4085, 76.3582, 66.8521



Tritanomaly

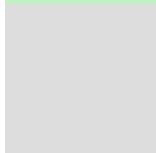
67.9724, 77.9025, 87.0555

Monochromacy



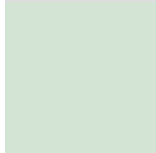
Original Color

63.2305, 77.6889, 64.4862



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.4910, 74.0892, 73.0835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2305, 77.6889, 64.4862 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(193, 240, 197)` looks like.

```
.text, #text, p{  
    color:rgb(193, 240, 197)  
}
```

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(193, 240, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 240, 197) }
```

Border

The CSS property to change the border of an element to XYZ 63.2305, 77.6889, 64.4862 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(193, 240, 197) }
```


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

```
.border{ border-color:rgb(193, 240, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 240, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 240, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 240, 197); box-shadow:4px 4px 4px 4px rgb(193, 240, 197) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2305, 77.6889, 64.4862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 240, 197) }
```

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

```
.background{ background-color: rgb(193,  
240, 197) }
```

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