

# Converting Colors

XYZ(64.2474, 76.5416, 62.8113)

Have a look what the booklet for  
XYZ(64.2474, 76.5416, 62.8113)  
contains.

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# Color

**XYZ(64.2029, 76.4876,  
63.0095)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CAECC3
RGB	202, 236, 195
RGB Percent	79%, 93%, 76%
CMY	0.2078, 0.0745, 0.2353
CMYK	0.14, 0.00, 0.17, 0.07
HSL	110°, 52%, 85%
HSV	110°, 17%, 93%
XYZ	64.2029, 76.4876, 63.0095
YIQ	221.1600, -7.1030, -19.9590

# Conversions

## Conversions Part 2

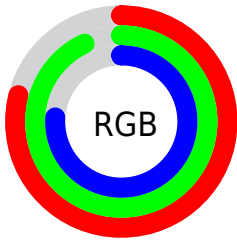
Format	Color
<b>RYB</b>	195, 236, 229
Decimal	13298883
CIELab	90.09, -18.56, 16.24
CIElCh	90, 24.659, 138.808
Yxy	76.4876, 0.3152, 0.3755
Android (android.graphics.Color)	4291488963 (0xFFCAECC3)
YUV	221.1600, -12.8969, -16.8033
Hunter-Lab	87.4572, -22.0121, 18.5039

# Details

The XYZ color **64.2029, 76.4876, 63.0095** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.9717, 61.7465, 87.7494**, and the grayscale version is **68.9327, 72.5225, 78.9770**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **33.3417, 40.8615, 31.3291** is the 20% darker color. If you saturate the color by 10%, you get **56.7789, 72.9470, 49.8166**, and if you desaturate by 10%, it is **72.7245, 80.5498, 78.4585**.

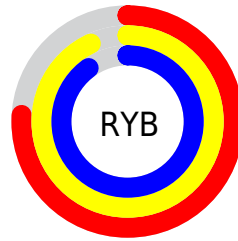
# Distribution



Red (79%)

Green (93%)

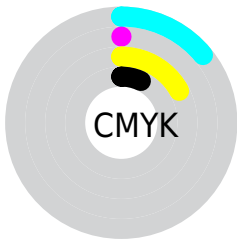
Blue (76%)



Red (76%)

Yellow (93%)

Blue (90%)

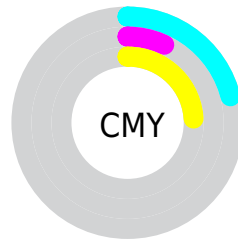


Cyan (14%)

Magenta (0%)

Yellow (17%)

Black (7%)



Cyan (21%)

Magenta (7%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2029, 76.4876, 63.0095 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 64.2029, 76.4876, 63.0095 by changing the saturation by 10% instead.



64.2029, 76.4876,  
63.0095

64.2029, 76.4876,  
63.0095

429.5126,  
483.0152, 453.7129

47.0773, 56.8324,  
45.4078

109.9752,  
128.4159, 110.7689

33.3050, 40.8707,  
31.4335

139.3526,  
161.4579, 141.7638

22.5205, 28.2181,  
20.6679

173.5447,  
199.7308, 178.0601

14.3586, 18.4901,  
12.6926

212.9168,  
243.6193, 220.0765

8.4539, 11.3024,  
7.0890

257.8343,  
293.5075, 268.2314

4.4410, 6.2706,  
3.4385

308.6625,

1.9545, 3.0103,

349.7800, 322.9434

1.3227

365.7669,  
412.8211, 384.6310

0.6082, 1.1371,  
0.0803

0.0000, 0.0094,  
0.0000

64.2029, 76.4876,  
63.0095

64.2029, 76.4876,  
63.0095

56.7789, 72.9470,  
49.8166

72.7245, 80.5498,  
78.4585

50.4016, 69.8972,  
38.7695

82.3797, 85.1433,  
96.2568

45.0249, 67.3194,  
29.7562

89.2870, 88.4739,  
106.9790

40.5972, 65.1895,  
22.6525

■ 37.0618, 63.4813,  
17.3208

■ 34.3561, 62.1659,  
13.6049

■ 32.4086, 61.2104,  
11.3215

■ 31.1319, 60.5751,  
10.2293

■ 30.8832, 60.4508,  
10.0405

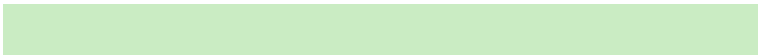
# Harmonies

## Analogous

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



68.9729, 76.4876, 55.2926



64.2029, 76.4876, 63.0095



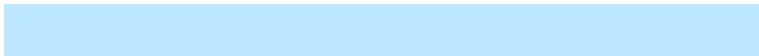
61.7610, 76.4876, 76.9135

# Triad

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



64.2029, 76.4876, 63.0095



70.4401, 76.4876, 120.8883



84.4107, 76.4876, 72.8876

# Complementary

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



64.2029, 76.4876, 63.0095



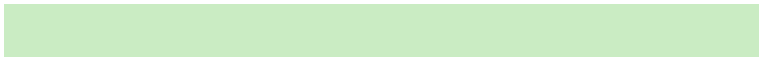
66.9717, 61.7465, 87.7494

# 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.



84.8581, 76.4876, 89.9927



64.2029, 76.4876, 63.0095



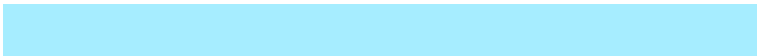
76.5573, 76.4876, 119.4099

# Square

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



64.2029, 76.4876, 63.0095



65.2250, 76.4876, 111.2879



81.9138, 76.4876, 107.4939

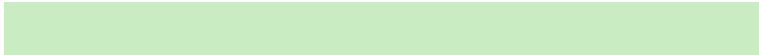


80.7235, 76.4876, 60.4192



# Rectangle

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



64.2029, 76.4876, 63.0095



61.6848, 76.4876, 88.5469



81.9138, 76.4876, 107.4939



84.9524, 76.4876, 78.2301

# Sweetspot

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



64.2050, 76.4909, 63.0112



89.2810, 97.2553, 98.2679



72.3222, 77.5297, 62.7839



18.9422, 20.7369, 20.7259



0.0000, 0.0000, 0.0000

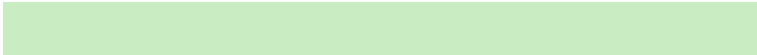


20.3446, 21.4041, 23.3091

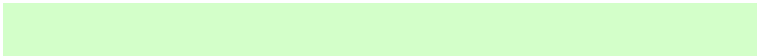


# Same Dimension

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



64.2050, 76.4909, 63.0112



73.1025, 89.5468, 68.9676



63.8866, 76.1497, 70.9969



15.1080, 16.9857, 16.0010



17.0963, 33.3579, 5.5377



1.4127, 2.6556, 0.4381



# Inverse Universe

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



66.9717, 61.7465, 87.7494



76.9983, 68.7708, 103.8236



67.4315, 62.1937, 78.2774



15.4478, 15.1761, 19.0373



20.9500, 9.8361, 44.5373

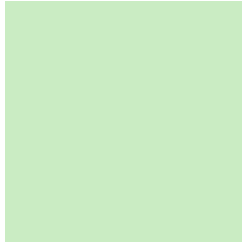


1.7117, 0.8067, 3.5004



# Previews

## White Background



This preview shows how the XYZ color 64.2029, 76.4876, 63.0095 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

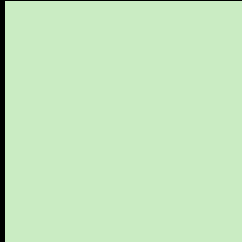
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.2029, 76.4876, 63.0095 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

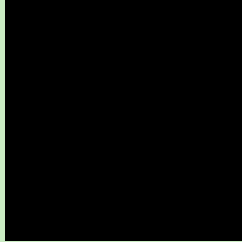
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

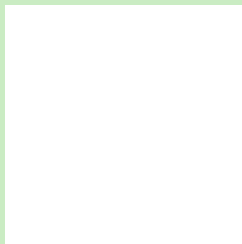
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.2029, 76.4876, 63.0095**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.2029, 76.4876, 63.0095.



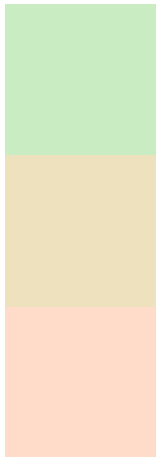
This preview shows how white text looks on a background with the XYZ color 64.2029, 76.4876, 63.0095.



# 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

64.2029, 76.4876, 63.0095

### Protanopia

71.7505, 76.2876, 59.6585

### Deuteranopia

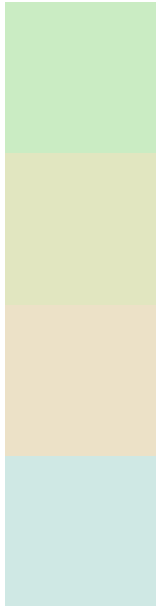
77.2322, 76.1873, 66.5122



## Tritanopia

71.3862, 76.4557, 98.9907

# Trichromacy



## Original Color

64.2029, 76.4876, 63.0095

## Protanomaly

68.8626, 76.4070, 60.9877

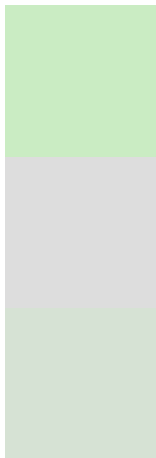
## Deuteranomaly

71.8261, 75.8068, 64.8794

## Tritanomaly

68.5923, 76.5801, 84.5650

# Monochromacy



## Original Color

64.2029, 76.4876, 63.0095

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

66.8116, 73.4423, 72.9418

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.2029, 76.4876, 63.0095 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(202, 236, 195)` looks like.

```
.text, #text, p{  
    color:rgb(202, 236, 195)  
}
```

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(202, 236, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 236, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 64.2029, 76.4876, 63.0095 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(202, 236, 195) }
```



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

```
.border{ border-color:rgb(202, 236, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 236, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 236, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 236, 195); box-shadow:4px 4px 4px 4px rgb(202, 236, 195) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.2029, 76.4876, 63.0095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 236, 195) }
```

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

```
.background{ background-color: rgb(202,  
236, 195) }
```

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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