

Converting Colors

XYZ(64.1268, 75.3021, 67.4499)

Have a look what the booklet for
XYZ(64.1268, 75.3021, 67.4499)
contains.

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Color

**XYZ(64.2897, 75.5749,
67.6989)**

Conversions

Conversions Part 1

Format	Color
Hex	C9EACB
RGB	201, 234, 203
RGB Percent	79%, 92%, 80%
CMY	0.2118, 0.0823, 0.2039
CMYK	0.14, 0.00, 0.13, 0.08
HSL	124°, 44%, 85%
HSV	124°, 14%, 92%
XYZ	64.2897, 75.5749, 67.6989
YIQ	220.5990, -9.7170, -16.6370

Conversions

Conversions Part 2

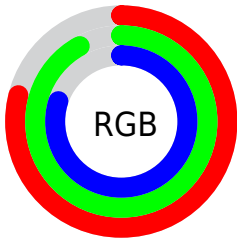
Format	Color
R _Y B	201, 232, 234
Decimal	13232843
CIE Lab	89.66, -16.53, 11.47
CIE LCh	90, 20.124, 145.239
Yxy	75.5749, 0.3097, 0.3641
Android (android.graphics.Color)	4291422923 (0xFFC9EACB)
YUV	220.5990, -8.6763, -17.1883
Hunter-Lab	86.9338, -20.1291, 14.6821

Details

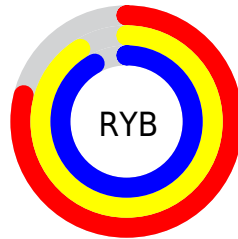
The XYZ color **64.2897, 75.5749, 67.6989** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.3865, 65.0937, 85.2547**, and the grayscale version is **68.5116, 72.0795, 78.4946**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.3778, 40.2138, 34.4366** is the 20% darker color. If you saturate the color by 10%, you get **56.0354, 71.6034, 54.5941**, and if you desaturate by 10%, it is **73.8779, 80.1955, 82.8082**.

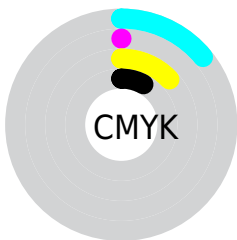
Distribution



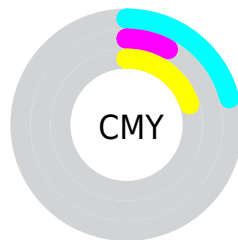
- Red (79%)
- Green (92%)
- Blue (80%)



- Red (79%)
- Yellow (91%)
- Blue (92%)



- Cyan (14%)
- Magenta (0%)
- Yellow (13%)
- Black (8%)



- Cyan (21%)
- Magenta (8%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2897, 75.5749, 67.6989 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 64.2897, 75.5749, 67.6989 by changing the saturation by 10% instead.

64.2897, 75.5749,
67.6989

64.2897, 75.5749,
67.6989

429.8207,
479.8913, 470.9975

47.1479, 56.0840,
49.1877

110.0995,
127.1258, 117.5714

33.3610, 40.2703,
34.4017

139.4981,
159.9546, 149.7698

22.5637, 27.7493,
22.9225

173.7131,
197.9982, 187.3676

14.3906, 18.1368,
14.3315

213.1098,
241.6409, 230.7834

8.4764, 11.0482,
8.2102

258.0536,
291.2672, 280.4358

4.4556, 6.0993,
4.1401

308.9098,

1.9630, 2.9056,

347.2614, 336.7432

1.7025

366.0437,
410.0080, 400.1243

0.6130, 1.0826,
0.3624

0.0000, 0.0000,
0.0000

64.2897, 75.5749,
67.6989

64.2897, 75.5749,
67.6989

56.0354, 71.6034,
54.5941

73.8779, 80.1955,
82.8082

49.0501, 68.2427,
43.4049

84.8489, 85.4822,
99.9960

43.2727, 65.4656,
34.0431

88.7143, 87.3285,
106.7881

38.6345, 63.2386,
26.4118

■ 35.0601, 61.5252,
20.4048

■ 32.4649, 60.2843,
15.9045

■ 30.7514, 59.4683,
12.7775

■ 29.8017, 59.0201,
10.8670

■ 29.5048, 58.8807,
10.2321

Harmonies

Analogous

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



67.8477, 75.5749, 60.0043



64.2897, 75.5749, 67.6989



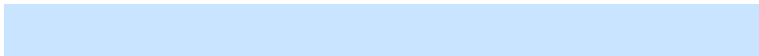
62.7544, 75.5749, 80.0455

Triad

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



64.2897, 75.5749, 67.6989



71.0442, 75.5749, 112.5652



80.7933, 75.5749, 71.1997

Complementary

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



64.2897, 75.5749, 67.6989



69.3865, 65.0937, 85.2547

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.



81.7446, 75.5749, 84.5725



64.2897, 75.5749, 67.6989



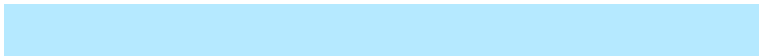
75.9687, 75.5749, 109.5014

Square

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



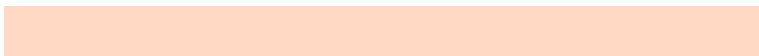
64.2897, 75.5749, 67.6989



66.5384, 75.5749, 106.7858



79.9416, 75.5749, 98.8360



77.3985, 75.5749, 61.8568

Rectangle

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



64.2897, 75.5749, 67.6989



63.0308, 75.5749, 89.6660



79.9416, 75.5749, 98.8360



81.4159, 75.5749, 75.3267

Sweetspot

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



64.2918, 75.5781, 67.7006



89.8918, 97.5147, 100.8057



73.3611, 80.2809, 66.8885



19.0394, 20.7753, 21.2606



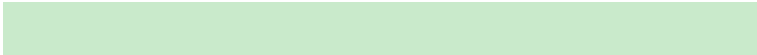
0.0000, 0.0000, 0.0000



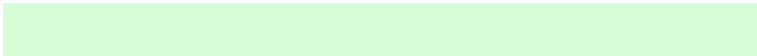
20.3446, 21.4041, 23.3091

Same Dimension

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



64.2918, 75.5781, 67.7006



74.9837, 90.3343, 77.2885



66.3184, 76.3888, 78.3730



14.9053, 16.8770, 16.1844



16.5943, 33.0922, 5.8286



1.3161, 2.6038, 0.5264

Inverse Universe

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



69.3865, 65.0937, 85.2547



82.3259, 75.2241, 102.5859



67.1960, 64.2175, 73.7198



15.6731, 15.2971, 18.8298



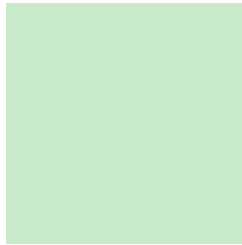
26.3307, 12.7350, 39.1384



2.0796, 1.0048, 3.1365

Previews

White Background



This preview shows how the XYZ color 64.2897, 75.5749, 67.6989 looks on a white background.

Color Contrast Check

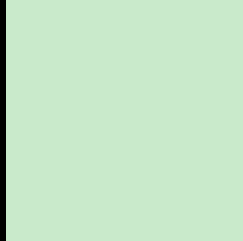
Large Text (above 18pt) WCAG AA × Fail

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 64.2897, 75.5749, 67.6989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

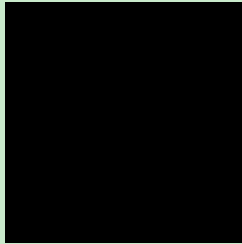
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

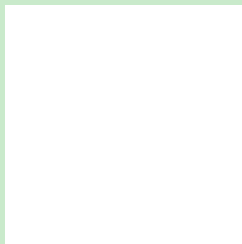
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.2897, 75.5749, 67.6989

Background



This preview shows how black text looks on a background with the XYZ color 64.2897, 75.5749, 67.6989.

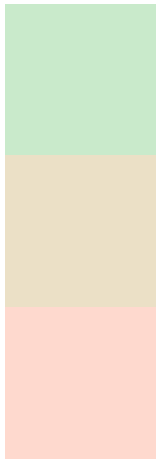


This preview shows how white text looks on a background with the XYZ color 64.2897, 75.5749,

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

64.2897, 75.5749, 67.6989

Protanopia

71.1096, 75.0507, 64.1644

Deuteranopia

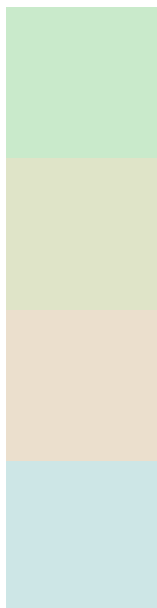
76.8265, 75.1528, 68.8493



Tritanopia

70.3904, 75.5505, 98.0615

Trichromacy



Original Color

64.2897, 75.5749, 67.6989

Protanomaly

68.6002, 75.3449, 65.5710

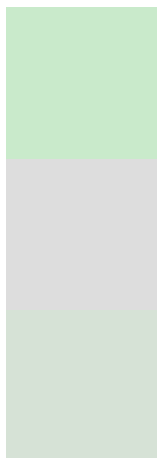
Deuteranomaly

71.6681, 74.8453, 68.4269

Tritanomaly

67.7566, 75.2859, 85.8234

Monochromacy



Original Color

64.2897, 75.5749, 67.6989

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.0655, 73.5439, 74.2790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2897, 75.5749, 67.6989 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(201, 234, 203)` looks like.

```
.text, #text, p{  
    color:rgb(201, 234, 203)  
}
```

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(201, 234, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 234, 203) }
```

Border

The CSS property to change the border of an element to XYZ 64.2897, 75.5749, 67.6989 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(201, 234, 203) }
```


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

```
.border{ border-color:rgb(201, 234, 203) }
```

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

Here you see how a box with a 4 pixel rgb(201, 234, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 234, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 234, 203);  
box-shadow:4px 4px 4px 4px rgb(201, 234,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2897, 75.5749, 67.6989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 234, 203) }
```

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

```
.background{ background-color: rgb(201,  
234, 203) }
```

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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