

Converting Colors

XYZ(64.9531, 76.3515, 67.4832)

Have a look what the booklet for
XYZ(64.9531, 76.3515, 67.4832)
contains.

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Color

**XYZ(64.9976, 76.3774,
67.1937)**

Conversions

Conversions Part 1

Format	Color
Hex	CBEBCA
RGB	203, 235, 202
RGB Percent	80%, 92%, 79%
CMY	0.2039, 0.0784, 0.2078
CMYK	0.14, 0.00, 0.14, 0.08
HSL	118°, 45%, 86%
HSV	118°, 14%, 92%
XYZ	64.9976, 76.3774, 67.1937
YIQ	221.6700, -8.4790, -17.0470

Conversions

Conversions Part 2

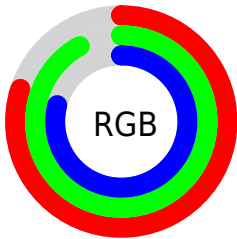
Format	Color
R_{YB}	202, 235, 234
Decimal	13364170
CIE _{Lab}	90.03, -16.53, 12.54
CIE _{LCh}	90, 20.752, 142.817
Yxy	76.3774, 0.3116, 0.3662
Android (android.graphics.Color)	4291554250 (0xFFCBEBCA)
YUV	221.6700, -9.6973, -16.3736
Hunter-Lab	87.3942, -20.1841, 15.5903

Details

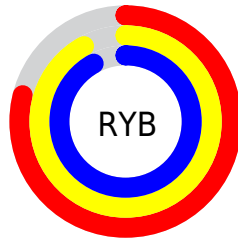
The XYZ color **64.9976, 76.3774, 67.1937** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.0506, 65.7338, 87.5970**, and the grayscale version is **69.2706, 72.8781, 79.3642**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.8598, 40.7679, 34.1014** is the 20% darker color. If you saturate the color by 10%, you get **56.6681, 72.3830, 53.3685**, and if you desaturate by 10%, it is **74.6673, 81.0182, 83.2967**.

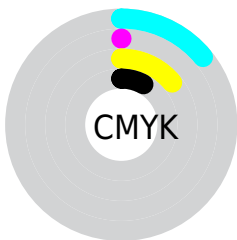
Distribution



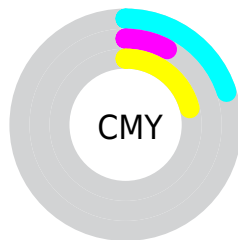
- Red (80%)
- Green (92%)
- Blue (79%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9976, 76.3774, 67.1937 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 64.9976, 76.3774, 67.1937 by changing the saturation by 10% instead.

■ 64.9976, 76.3774,
67.1937

■ 64.9976, 76.3774,
67.1937

432.3287,
482.6386, 469.1542

■ 47.7238, 56.7420,
48.7795

111.1121,
128.2602, 116.8412

■ 33.8186, 40.7982,
34.0802

140.6836,
161.2765, 148.9116

■ 22.9165, 28.1614,
22.6774

175.0850,
199.5218, 186.3710

■ 14.6522, 18.4474,
14.1524

214.6817,
243.3807, 229.6382

■ 8.6604, 11.2716,
8.0868

259.8391,
293.2374, 279.1315

■ 4.5757, 6.2499,
4.0620

310.9225,

■ 2.0327, 2.9976,

349.4763, 335.2696

1.6594

368.2972,
412.4819, 398.4710

■ 0.6522, 1.1305,
0.3327

■ 0.0000, 0.0038,
0.0000

■ 64.9976, 76.3774,
67.1937

■ 64.9976, 76.3774,
67.1937

■ 56.6681, 72.3830,
53.3685

■ 74.6673, 81.0182,
83.2967

■ 49.6137, 68.9970,
41.7136

■ 85.7261, 86.3218,
101.7684

■ 43.7736, 66.1926,
32.1203

■ 88.9998, 87.8996,
106.8833

■ 39.0791, 63.9370,
24.4687

■ 35.4550, 62.1942,
18.6264

■ 32.8170, 60.9241,
14.4446

■ 31.0681, 60.0803,
11.7508

■ 30.0918, 59.6074,
10.3348

■ 29.7989, 59.4655,
9.9074

Harmonies

Analogous

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



68.8268, 76.3774, 59.6939



64.9976, 76.3774, 67.1937



63.2187, 76.3774, 79.6710

Triad

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



64.9976, 76.3774, 67.1937



71.3650, 76.3774, 114.5434



82.0960, 76.3774, 72.6559

Complementary

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



64.9976, 76.3774, 67.1937



70.0506, 65.7338, 87.5970

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.



82.8541, 76.3774, 86.7535



64.9976, 76.3774, 67.1937



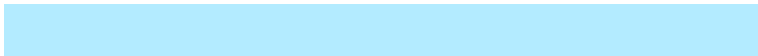
76.4971, 76.3774, 112.0927

Square

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



64.9976, 76.3774, 67.1937



66.7806, 76.3774, 107.8272



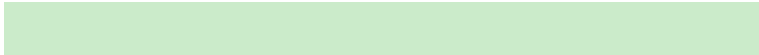
80.7613, 76.3774, 101.4787



78.7362, 76.3774, 62.5779

Rectangle

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



64.9976, 76.3774, 67.1937



63.3728, 76.3774, 89.6042



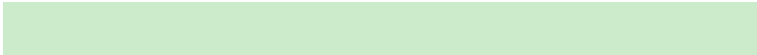
80.7613, 76.3774, 101.4787



82.6699, 76.3774, 77.0363

Sweetspot

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



64.9997, 76.3807, 67.1954



89.9051, 97.5324, 100.3133



74.3193, 80.7190, 67.5416



19.0428, 20.7797, 21.1366



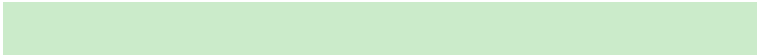
0.0000, 0.0000, 0.0000



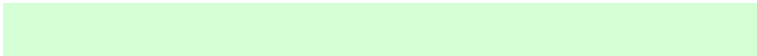
20.3446, 21.4041, 23.3091

Same Dimension

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



64.9997, 76.3807, 67.1954



75.0294, 90.3964, 75.5499



66.6444, 77.0072, 77.2724



14.9105, 16.8839, 15.9918



16.6027, 33.1035, 5.5146



1.3186, 2.6071, 0.4337

Inverse Universe

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



70.0506, 65.7338, 87.5970



82.2647, 75.1440, 104.7762



68.2494, 65.0513, 76.3942



15.6671, 15.2892, 19.0476



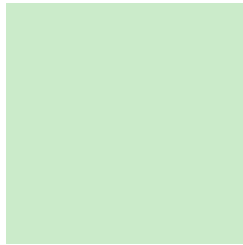
26.1523, 12.5179, 44.7808



2.0678, 0.9903, 3.5170

Previews

White Background



This preview shows how the XYZ color 64.9976, 76.3774, 67.1937 looks on a white background.

Color Contrast Check

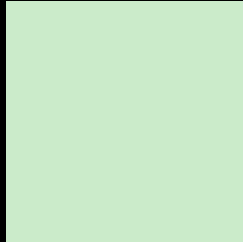
Large Text (above 18pt) WCAG AA × Fail

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 64.9976, 76.3774, 67.1937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

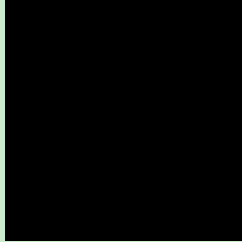
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

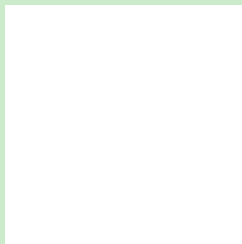
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.9976, 76.3774, 67.1937

Background



This preview shows how black text looks on a background with the XYZ color 64.9976, 76.3774, 67.1937.

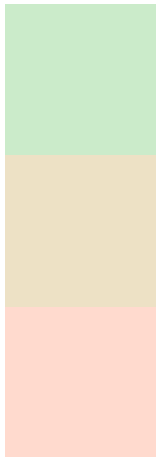


This preview shows how white text looks on a background with the XYZ color 64.9976, 76.3774,

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

64.9976, 76.3774, 67.1937

Protanopia

71.9283, 75.8862, 63.6798

Deuteranopia

77.4520, 75.8590, 68.9526



Tritanopia

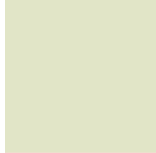
71.3862, 76.4557, 98.9907

Trichromacy



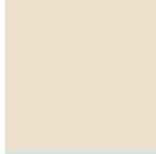
Original Color

64.9976, 76.3774, 67.1937



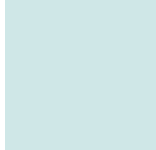
Protanomaly

69.3795, 76.1697, 65.0784



Deuteranomaly

72.2672, 75.5520, 68.5317



Tritanomaly

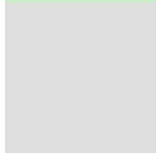
68.7318, 76.1867, 86.6843

Monochromacy



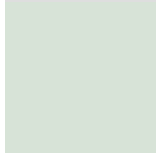
Original Color

64.9976, 76.3774, 67.1937



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

67.7592, 74.2915, 75.0584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9976, 76.3774, 67.1937 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, 235, 202)` looks like.

```
.text, #text, p{  
    color:rgb(203, 235, 202)  
}
```

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, 235, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 235, 202) }
```

Border

The CSS property to change the border of an element to XYZ 64.9976, 76.3774, 67.1937 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, 235, 202) }
```


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

```
.border{ border-color:rgb(203, 235, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 235, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 235, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 235, 202);  
box-shadow:4px 4px 4px 4px rgb(203, 235,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9976, 76.3774, 67.1937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 235, 202) }
```

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

```
.background{ background-color: rgb(203,  
235, 202) }
```

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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