

Converting Colors

XYZ(64.6236, 73.5063, 68.7687)

Have a look what the booklet for
XYZ(64.6236, 73.5063, 68.7687)
contains.

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Color

**XYZ(64.7709, 73.7118,
68.5716)**

Conversions

Conversions Part 1

Format	Color
Hex	CFE5CD
RGB	207, 229, 205
RGB Percent	81%, 90%, 80%
CMY	0.1882, 0.1019, 0.1961
CMYK	0.10, 0.00, 0.10, 0.10
HSL	115°, 32%, 85%
HSV	115°, 10%, 90%
XYZ	64.7709, 73.7118, 68.5716
YIQ	219.6860, -5.4080, -12.1280

Conversions

Conversions Part 2

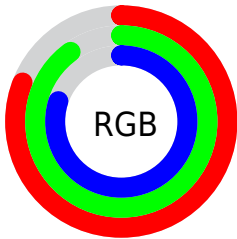
Format	Color
R_{YB}	205, 229, 227
Decimal	13624781
CIE Lab	88.79, -11.67, 9.23
CIE LCh	89, 14.878, 141.639
Yxy	73.7118, 0.3128, 0.3560
Android (android.graphics.Color)	4291814861 (0xFFCFE5CD)
YUV	219.6860, -7.2402, -11.1256
Hunter-Lab	85.8556, -15.5838, 12.7448

Details

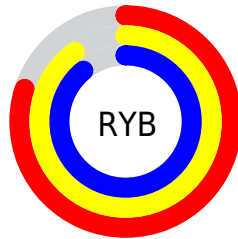
The XYZ color **64.7709, 73.7118, 68.5716** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.6556, 65.6527, 83.2389**, and the grayscale version is **67.8619, 71.3960, 77.7503**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.8588, 39.2788, 35.0752** is the 20% darker color. If you saturate the color by 10%, you get **56.7265, 69.8633, 54.8060**, and if you desaturate by 10%, it is **74.0038, 78.1305, 84.5079**.

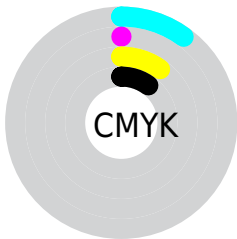
Distribution



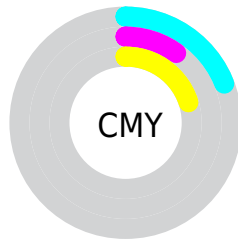
- Red (81%)
- Green (90%)
- Blue (80%)



- Red (80%)
- Yellow (90%)
- Blue (89%)



- Cyan (10%)
- Magenta (0%)
- Yellow (10%)
- Black (10%)



- Cyan (19%)
- Magenta (10%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7709, 73.7118, 68.5716 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 64.7709, 73.7118, 68.5716 by changing the saturation by 10% instead.

■ 64.7709, 73.7118,
68.5716

■ 64.7709, 73.7118,
68.5716

431.5265,
473.4781, 474.1715

■ 47.5393, 54.5582,
49.8933

110.7880,
124.4872, 118.8314

■ 33.6720, 39.0481,
34.9580

140.3042,
156.8777, 151.2500

■ 22.8034, 26.7972,
23.3473

174.6460,
194.4494, 189.0858

■ 14.5683, 17.4209,
14.6424

214.1788,
237.5866, 232.7573

■ 8.6013, 10.5351,
8.4250

259.2678,
286.6736, 282.6831

■ 4.5371, 5.7551,
4.2764

310.2786,

■ 2.0102, 2.6968,

342.0950, 339.2817

1.7782

367.5763,
404.2350, 402.9717

■ 0.6397, 0.9756,
0.4135

■ 0.0000, 0.0000,
0.0000

■ 64.7709, 73.7118,
68.5716

■ 64.7709, 73.7118,
68.5716

■ 56.7265, 69.8633,
54.8060

■ 74.0038, 78.1305,
84.5079

■ 49.8166, 66.5527,
43.1126

■ 84.4645, 83.1314,
102.6981

■ 43.9917, 63.7590,
33.3927

■ 87.3107, 84.5215,
106.3202

■ 39.1967, 61.4560,
25.5373

■ 35.3713, 59.6152,
19.4272

■ 32.4491, 58.2053,
14.9293

■ 30.3553, 57.1909,
11.8913

■ 29.0026, 56.5311,
10.1319

■ 28.2908, 56.1807,
9.3529

Harmonies

Analogous

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



67.5386, 73.7118, 63.2029



64.7709, 73.7118, 68.5716



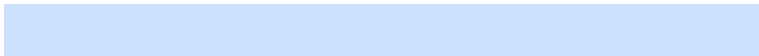
63.4316, 73.7118, 77.4106

Triad

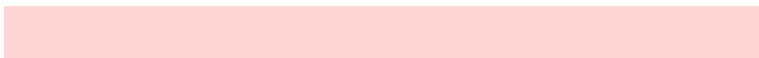
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.7709, 73.7118, 68.5716



69.0588, 73.7118, 101.5198



76.6957, 73.7118, 73.1674

Complementary

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



64.7709, 73.7118, 68.5716



67.6556, 65.6527, 83.2389

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.



77.1367, 73.7118, 83.1777



64.7709, 73.7118, 68.5716



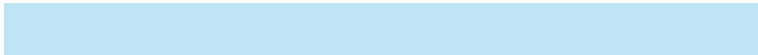
72.6451, 73.7118, 100.1382

Square

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



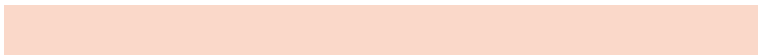
64.7709, 73.7118, 68.5716



65.8511, 73.7118, 96.8334



75.6313, 73.7118, 93.2056



74.4463, 73.7118, 65.6938

Rectangle

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



64.7709, 73.7118, 68.5716



63.4959, 73.7118, 84.3267



75.6313, 73.7118, 93.2056



77.0634, 73.7118, 76.3254

Sweetspot

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



64.7729, 73.7150, 68.5732



91.3095, 98.2112, 102.4233



70.8048, 76.0076, 68.6978



19.3352, 20.9213, 21.5617



0.0000, 0.0000, 0.0000



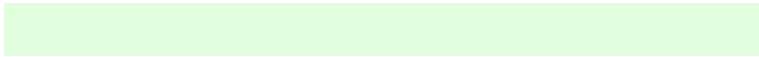
20.3446, 21.4041, 23.3091

Same Dimension

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



64.7729, 73.7150, 68.5732



79.8551, 92.7311, 82.6920



65.4642, 73.9273, 75.1112



14.3000, 16.1462, 15.2673



16.2150, 32.1406, 5.3491



1.2370, 2.3951, 0.3971

Inverse Universe

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



67.6556, 65.6527, 83.2389



84.3627, 80.1229, 105.6266



66.9332, 65.4370, 76.1233



14.8705, 14.5510, 18.1692



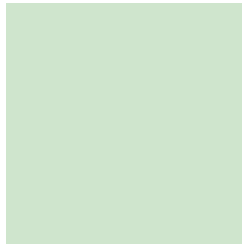
23.3197, 11.0876, 43.2942



1.7584, 0.8375, 3.2009

Previews

White Background



This preview shows how the XYZ color 64.7709, 73.7118, 68.5716 looks on a white background.

Color Contrast Check

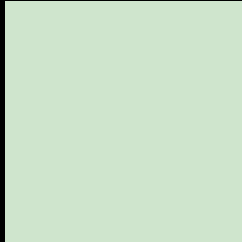
Large Text (above 18pt) WCAG AA × Fail

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 64.7709, 73.7118, 68.5716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

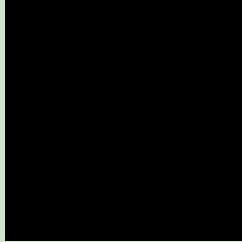
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

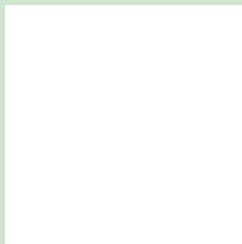
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.7709, 73.7118, 68.5716

Background



This preview shows how black text looks on a background with the XYZ color 64.7709, 73.7118, 68.5716.

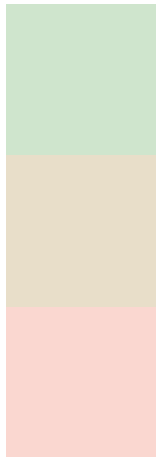


This preview shows how white text looks on a background with the XYZ color 64.7709, 73.7118,

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

64.7709, 73.7118, 68.5716

Protanopia

69.9426, 73.6154, 65.7812

Deuteranopia

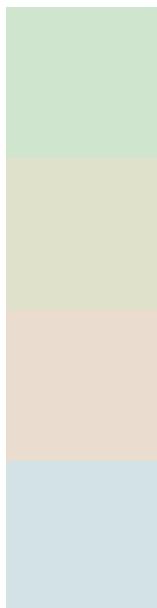
75.1099, 73.4789, 69.8986



Tritanopia

69.9734, 73.8083, 93.7775

Trichromacy



Original Color

64.7709, 73.7118, 68.5716

Protanomaly

68.0173, 73.8027, 66.5376

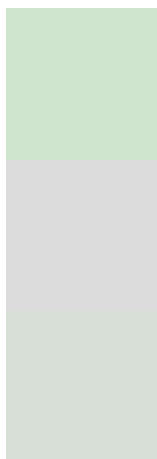
Deuteranomaly

70.7874, 73.1838, 69.4265

Tritanomaly

68.0639, 73.8430, 84.0646

Monochromacy



Original Color

64.7709, 73.7118, 68.5716

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.6777, 72.1287, 74.6979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7709, 73.7118, 68.5716 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(207, 229, 205) looks like.

```
.text, #text, p{  
    color:rgb(207, 229, 205)  
}
```

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(207, 229, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 229, 205) }
```

Border

The CSS property to change the border of an element to XYZ 64.7709, 73.7118, 68.5716 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(207, 229, 205) }
```


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

```
.border{ border-color:rgb(207, 229, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 229, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 229, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 229, 205);  
box-shadow:4px 4px 4px 4px rgb(207, 229,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7709, 73.7118, 68.5716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 229, 205) }
```

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

```
.background{ background-color: rgb(207,  
229, 205) }
```

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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