

Converting Colors

XYZ(65.2828, 75.1291, 68.2835)

Have a look what the booklet for
XYZ(65.2828, 75.1291, 68.2835)
contains.

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Color

**XYZ(65.2093, 75.1947,
68.2039)**

Conversions

Conversions Part 1

Format	Color
Hex	CEE8CC
RGB	206, 232, 204
RGB Percent	81%, 91%, 80%
CMY	0.1922, 0.0902, 0.2000
CMYK	0.11, 0.00, 0.12, 0.09
HSL	116°, 38%, 85%
HSV	116°, 12%, 91%
XYZ	65.2093, 75.1947, 68.2039
YIQ	221.0340, -6.5080, -14.2200

Conversions

Conversions Part 2

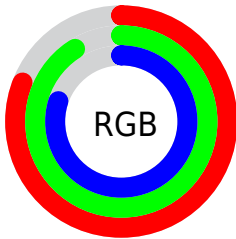
Format	Color
R_{YB}	204, 232, 230
Decimal	13560012
CIE _{Lab}	89.48, -13.68, 10.74
CIE _{LCh}	89, 17.399, 141.863
Yxy	75.1947, 0.3126, 0.3605
Android (android.graphics.Color)	4291750092 (0xFFCEE8CC)
YUV	221.0340, -8.3978, -13.1848
Hunter-Lab	86.7149, -17.5196, 14.0670

Details

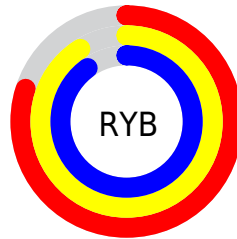
The XYZ color **65.2093, 75.1947, 68.2039** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.7946, 65.8371, 85.4298**, and the grayscale version is **68.8132, 72.3969, 78.8402**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.9792, 39.9281, 34.7702** is the 20% darker color. If you saturate the color by 10%, you get **57.0551, 71.2912, 54.3627**, and if you desaturate by 10%, it is **74.6020, 79.6931, 84.2699**.

Distribution



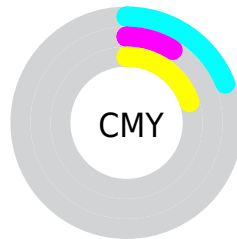
- Red (81%)
- Green (91%)
- Blue (80%)



- Red (80%)
- Yellow (91%)
- Blue (90%)



- Cyan (11%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)



- Cyan (19%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.2093, 75.1947, 68.2039 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 65.2093, 75.1947, 68.2039 by changing the saturation by 10% instead.

■ 65.2093, 75.1947,
68.2039

■ 65.2093, 75.1947,
68.2039

433.0771,
478.5865, 472.8358

■ 47.8961, 55.7724,
49.5959

111.4147,
126.5879, 118.3008

■ 33.9556, 40.0205,
34.7235

141.0377,
159.3277, 150.6267

■ 23.0222, 27.5545,
23.1681

175.4947,
197.2753, 188.3624

■ 14.7307, 17.9901,
14.5112

215.1511,
240.8153, 231.9264

■ 8.7157, 10.9429,
8.3343

260.3721,
290.3320, 281.7371

■ 4.6118, 6.0284,
4.2188

311.5232,

■ 2.0537, 2.8624,

346.2099, 338.2133

1.7461

368.9698,
408.8332, 401.7733

■ 0.6639, 1.0603,
0.3920

■ 0.0000, 0.0000,
0.0000

■ 65.2093, 75.1947,
68.2039

■ 65.2093, 75.1947,
68.2039

■ 57.0551, 71.2912,
54.3627

■ 74.6020, 79.6931,
84.2699

■ 50.0818, 67.9485,
42.6437

■ 85.2755, 84.7998,
102.6476

■ 44.2365, 65.1438,
32.9434

■ 88.1481, 86.1962,
106.5994

■ 39.4598, 62.8489,
25.1479

■ 35.6869, 61.0331,
19.1320

■ 32.8458, 59.6624,
14.7553

■ 30.8550, 58.6982,
11.8566

■ 29.6187, 58.0953,
10.2419

■ 29.0816, 57.8314,
9.6298

Harmonies

Analogous

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



68.4583, 75.1947, 61.9456



65.2093, 75.1947, 68.2039



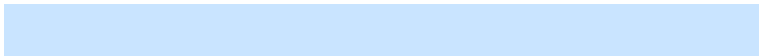
63.6520, 75.1947, 78.5933

Triad

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



65.2093, 75.1947, 68.2039



70.3153, 75.1947, 107.4077



79.3585, 75.1947, 73.4320

Complementary

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



65.2093, 75.1947, 68.2039



68.7946, 65.8371, 85.4298

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.



79.9039, 75.1947, 85.2453



65.2093, 75.1947, 68.2039



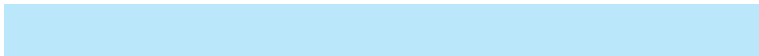
74.5694, 75.1947, 105.6752

Square

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



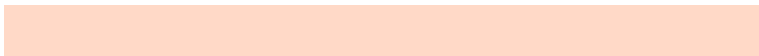
65.2093, 75.1947, 68.2039



66.5224, 75.1947, 101.7815



78.1198, 75.1947, 97.2591



76.6577, 75.1947, 64.7483

Rectangle

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



65.2093, 75.1947, 68.2039



63.7378, 75.1947, 86.8004



78.1198, 75.1947, 97.2591



79.8042, 75.1947, 77.1381

Sweetspot

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



65.2114, 75.1979, 68.2055



90.0517, 97.6080, 100.3202



72.3853, 77.9275, 68.3543



19.0797, 20.7988, 21.1383



0.0000, 0.0000, 0.0000



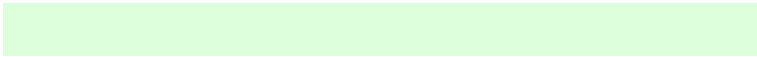
20.3446, 21.4041, 23.3091

Same Dimension

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



65.2114, 75.1979, 68.2055



78.6637, 92.1560, 80.8670



66.1125, 75.4946, 75.8297



14.2841, 16.1380, 15.2665



16.1823, 32.1238, 5.3476



1.2294, 2.3912, 0.3967

Inverse Universe

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



68.7946, 65.8371, 85.4298



83.7683, 78.8195, 105.4064



67.8367, 65.5285, 77.0174



14.8882, 14.5601, 18.1700



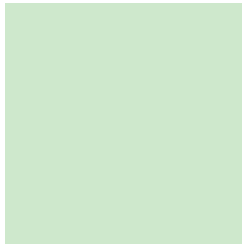
23.7608, 11.3151, 43.3149



1.7864, 0.8519, 3.2022

Previews

White Background



This preview shows how the XYZ color 65.2093, 75.1947, 68.2039 looks on a white background.

Color Contrast Check

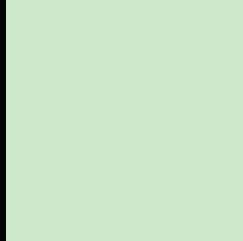
Large Text (above 18pt) WCAG AA × Fail

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 65.2093, 75.1947, 68.2039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

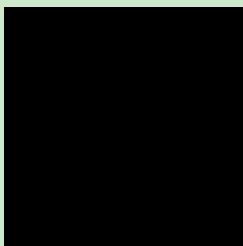
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

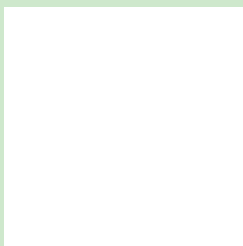
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.2093, 75.1947, 68.2039

Background



This preview shows how black text looks on a background with the XYZ color 65.2093, 75.1947, 68.2039.

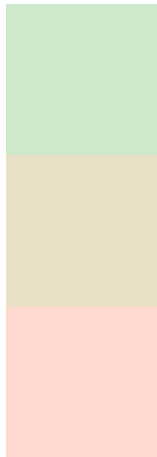


This preview shows how white text looks on a background with the XYZ color 65.2093, 75.1947,

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

65.2093, 75.1947, 68.2039

Protanopia

71.0127, 74.9739, 65.3722

Deuteranopia

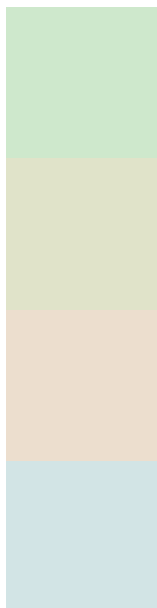
76.5834, 75.0133, 69.4741



Tritanopia

70.6769, 74.9214, 96.3242

Trichromacy



Original Color

65.2093, 75.1947, 68.2039

Protanomaly

68.7522, 75.0025, 66.1116

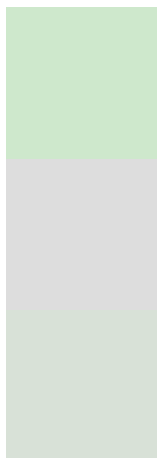
Deuteranomaly

71.8539, 74.5317, 68.9915

Tritanomaly

68.4646, 74.8456, 84.9669

Monochromacy



Original Color

65.2093, 75.1947, 68.2039

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.5099, 73.3557, 74.8909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.2093, 75.1947, 68.2039 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(206, 232, 204)` looks like.

```
.text, #text, p{  
    color:rgb(206, 232, 204)  
}
```

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(206, 232, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 232, 204) }
```

Border

The CSS property to change the border of an element to XYZ 65.2093, 75.1947, 68.2039 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(206, 232, 204) }
```


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

```
.border{ border-color:rgb(206, 232, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 232, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 232, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 232, 204);  
box-shadow:4px 4px 4px 4px rgb(206, 232,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 65.2093, 75.1947, 68.2039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 232, 204) }
```

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

```
.background{ background-color: rgb(206,  
232, 204) }
```

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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