

Converting Colors

XYZ(63.1070, 76.0866, 69.1038)

Have a look what the booklet for
XYZ(63.1070, 76.0866, 69.1038)
contains.

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Color

**XYZ(63.2960, 76.3136,
69.1516)**

Conversions

Conversions Part 1

Format	Color
Hex	C1EDCD
RGB	193, 237, 205
RGB Percent	76%, 93%, 80%
CMY	0.2431, 0.0706, 0.1961
CMYK	0.19, 0.00, 0.14, 0.07
HSL	136°, 55%, 84%
HSV	136°, 19%, 93%
XYZ	63.2960, 76.3136, 69.1516
YIQ	220.1960, -15.9520, -19.2800

Conversions

Conversions Part 2

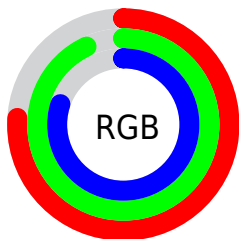
Format	Color
RYB	193, 228, 237
Decimal	12709325
CIELab	90.00, -20.28, 10.85
CIELCh	90, 23.006, 151.852
Yxy	76.3136, 0.3032, 0.3656
Android (android.graphics.Color)	4290899405 (0xFFC1EDCD)
YUV	220.1960, -7.4916, -23.8509
Hunter-Lab	87.3577, -23.5417, 14.2169

Details

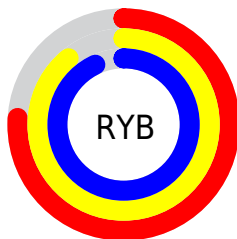
The XYZ color **63.2960, 76.3136, 69.1516** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.5883, 61.5826, 79.5620**, and the grayscale version is **68.2247, 71.7777, 78.1660**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **32.7572, 40.7711, 35.4213** is the 20% darker color. If you saturate the color by 10%, you get **55.7643, 72.6603, 58.5299**, and if you desaturate by 10%, it is **72.0294, 80.5641, 81.0294**.

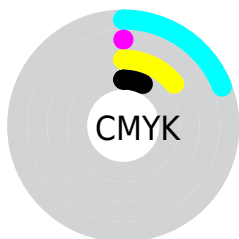
Distribution



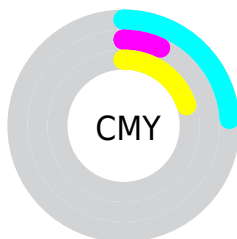
- Red (76%)
- Green (93%)
- Blue (80%)



- Red (76%)
- Yellow (89%)
- Blue (93%)



- Cyan (19%)
- Magenta (0%)
- Yellow (14%)
- Black (7%)





- Cyan (24%)
- Magenta (7%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.2960, 76.3136, 69.1516 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 63.2960, 76.3136, 69.1516 by changing the saturation by 10% instead.


 63.2960, 76.3136,
69.1516

 63.2960, 76.3136,
69.1516


426.2855,
482.4205, 476.2739

 46.3403, 56.6897,
50.3627


 108.6759,
128.1701, 119.6678

 32.7202, 40.7562,
35.3284


137.8307,
161.1715, 152.2322

 22.0704, 28.1286,
23.6304


171.7826,
199.4008, 190.2254

 14.0255, 18.4226,
14.8500

210.8969,
243.2425, 234.0661

 8.2202, 11.2538,
8.5687

255.5390,
293.0809, 284.1727

 4.2892, 6.2378,
4.3680

306.0742,

 1.8670, 2.9902,

349.3005, 340.9639

1.8293

362.8680,
412.2855, 404.8581

0.5575, 1.1266,
0.4472

0.0000, 0.0005,
0.0000

63.2960, 76.3136,
69.1516

63.2960, 76.3136,
69.1516

55.7643, 72.6603,
58.5299

72.0294, 80.5641,
81.0294

49.3746, 69.5680,
49.1181

82.0082, 85.4273,
94.1975

44.0714, 67.0111,
40.8746

89.5756, 89.0513,
107.0752

39.7920, 64.9581,
33.7534

■ 36.4670, 63.3745,
27.7055

■ 34.0182, 62.2208,
22.6781

■ 32.3539, 61.4511,
18.6139

■ 31.3444, 60.9997,
15.4488

■ 31.2292, 60.9487,
15.0639

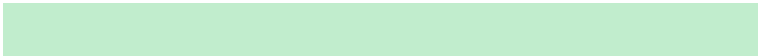
Harmonies

Analogous

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



66.9043, 76.3136, 59.1881



63.2960, 76.3136, 69.1516



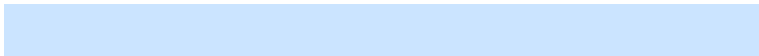
62.1252, 76.3136, 84.1105

Triad

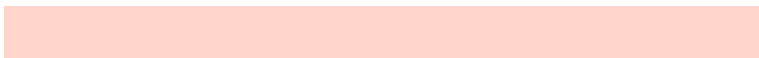
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.2960, 76.3136, 69.1516



72.8884, 76.3136, 118.5645



82.2438, 76.3136, 67.6096

Complementary

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



63.2960, 76.3136, 69.1516



67.5883, 61.5826, 79.5620

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.



84.0445, 76.3136, 82.0828



63.2960, 76.3136, 69.1516



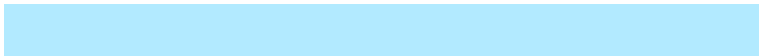
78.4705, 76.3136, 112.6963

Square

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



63.2960, 76.3136, 69.1516



67.4870, 76.3136, 113.9431



82.6293, 76.3136, 98.7915



77.8261, 76.3136, 58.3831

Rectangle

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



63.2960, 76.3136, 69.1516



62.8327, 76.3136, 95.3270



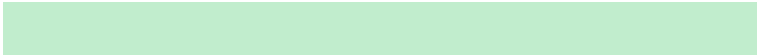
82.6293, 76.3136, 98.7915



83.1853, 76.3136, 71.9524

Sweetspot

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



63.2981, 76.3168, 69.1533



87.9032, 96.5167, 99.4831



71.0473, 80.4727, 62.2413



18.6554, 20.5809, 21.0813



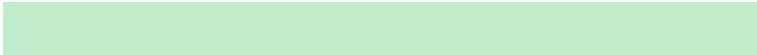
0.0000, 0.0000, 0.0000



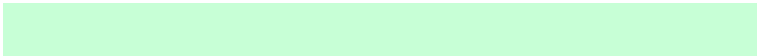
20.3446, 21.4041, 23.3091

Same Dimension

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



63.2981, 76.3168, 69.1533



71.4497, 88.5137, 77.0707



66.1073, 77.4405, 83.9466



15.0371, 16.9297, 16.8781



17.0964, 33.2930, 8.4724



1.3817, 2.6300, 0.8721

Inverse Universe

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



67.5883, 61.5826, 79.5620



77.3242, 68.3344, 91.3198



64.8087, 60.4708, 64.9245



15.5293, 15.2396, 18.0728



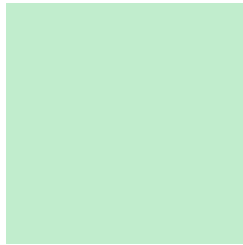
23.2105, 11.4869, 22.7075



1.8626, 0.9180, 1.9938

Previews

White Background



This preview shows how the XYZ color 63.2960, 76.3136, 69.1516 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 63.2960, 76.3136, 69.1516 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

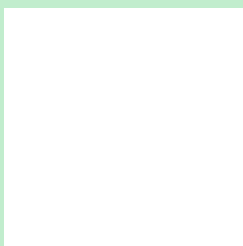
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.2960, 76.3136, 69.1516

Background



This preview shows how black text looks on a background with the XYZ color 63.2960, 76.3136, 69.1516.



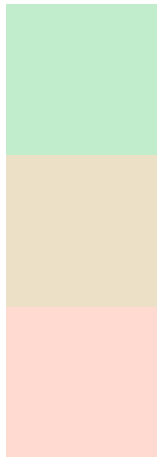
This preview shows how white text looks on a background with the XYZ color 63.2960, 76.3136,

69.1516.

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

63.2960, 76.3136, 69.1516

Protanopia

71.8261, 75.8068, 64.8794

Deuteranopia

77.4531, 75.8171, 70.8735



Tritanopia

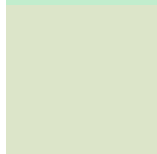
69.7622, 76.4089, 100.6941

Trichromacy



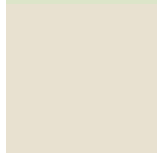
Original Color

63.2960, 76.3136, 69.1516



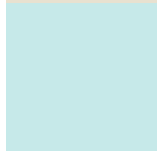
Protanomaly

68.0771, 75.4713, 66.2377



Deuteranomaly

71.5891, 75.5603, 70.4860



Tritanomaly

67.1356, 76.1668, 88.2540

Monochromacy



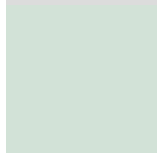
Original Color

63.2960, 76.3136, 69.1516



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

66.0404, 73.0006, 74.8998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2960, 76.3136, 69.1516 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(193, 237, 205)` looks like.

```
.text, #text, p{  
    color:rgb(193, 237, 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(193, 237, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 237, 205) }
```

Border

The CSS property to change the border of an element to XYZ 63.2960, 76.3136, 69.1516 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(193, 237, 205) }
```


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

```
.border{ border-color:rgb(193, 237, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 237, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 237, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 237, 205);  
box-shadow:4px 4px 4px 4px rgb(193, 237,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2960, 76.3136, 69.1516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 237, 205) }
```

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

```
.background{ background-color: rgb(193,  
237, 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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