

Converting Colors

XYZ(63.0739, 72.5027, 66.4115)

Have a look what the booklet for
XYZ(63.0739, 72.5027, 66.4115)
contains.

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Color

**XYZ(63.0327, 72.4476,
66.5387)**

Conversions

Conversions Part 1

Format	Color
Hex	CBE4CA
RGB	203, 228, 202
RGB Percent	80%, 89%, 79%
CMY	0.2039, 0.1059, 0.2078
CMYK	0.11, 0.00, 0.11, 0.11
HSL	118°, 33%, 84%
HSV	118°, 11%, 89%
XYZ	63.0327, 72.4476, 66.5387
YIQ	217.5610, -6.5540, -13.3860

Conversions

Conversions Part 2

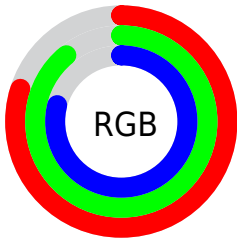
Format	Color
R_{YB}	202, 228, 227
Decimal	13362378
CIE _{Lab}	88.18, -13.04, 9.91
CIE _{LCh}	88, 16.377, 142.779
Yxy	72.4476, 0.3120, 0.3586
Android (android.graphics.Color)	4291552458 (0xFFCBE4CA)
YUV	217.5610, -7.6716, -12.7700
Hunter-Lab	85.1162, -16.7652, 13.2319

Details

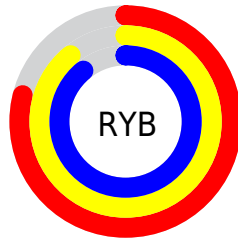
The XYZ color **63.0327, 72.4476, 66.5387** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.8055, 64.1754, 82.2686**, and the grayscale version is **66.3944, 69.8520, 76.0689**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.6833, 38.4148, 33.7092** is the 20% darker color. If you saturate the color by 10%, you get **54.9761, 68.5856, 53.0954**, and if you desaturate by 10%, it is **72.3365, 76.9107, 82.1255**.

Distribution



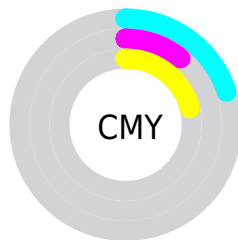
- Red (80%)
- Green (89%)
- Blue (79%)



- Red (79%)
- Yellow (89%)
- Blue (89%)



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



- Cyan (20%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.0327, 72.4476, 66.5387 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 63.0327, 72.4476, 66.5387 by changing the saturation by 10% instead.

63.0327, 72.4476,
66.5387

63.0327, 72.4476,
66.5387

425.3459,
469.0980, 466.7577

46.1264, 53.5244,
48.2506

108.2982,
122.6927, 115.8935

32.5506, 38.2216,
33.6640

137.3882,
154.7834, 147.7973

21.9400, 26.1547,
22.3603

171.2701,
192.0320, 185.0768

13.9292, 16.9394,
13.9210

210.3092,
234.8229, 228.1504

8.1528, 10.1913,
7.9276

254.8711,
283.5406, 277.4368

4.2455, 5.5260,
3.9616

305.3209,

1.8419, 2.5591,

338.5694, 333.3544

1.6043

362.0241,
400.2938, 396.3219

■ 0.5427, 0.9061,
0.2939

■ 0.0000, 0.0000,
0.0000

■ 63.0327, 72.4476,
66.5387

■ 63.0327, 72.4476,
66.5387

■ 54.9761, 68.5856,
53.0954

■ 72.3365, 76.9107,
82.1255

■ 48.1081, 65.2902,
41.6974

■ 82.9312, 81.9891,
99.9387

■ 42.3743, 62.5375,
32.2459

■ 87.0348, 83.9696,
106.2283

■ 37.7135, 60.2985,
24.6322

■ 34.0592, 58.5413,
18.7368

■ 31.3370, 57.2306,
14.4262

■ 29.4624, 56.3260,
11.5472

■ 28.3358, 55.7801,
9.9164

■ 27.8545, 55.5462,
9.2534

Harmonies

Analogous

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



65.9834, 72.4476, 60.6156



63.0327, 72.4476, 66.5387



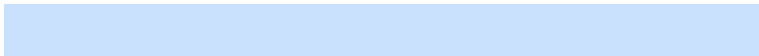
61.6525, 72.4476, 76.2021

Triad

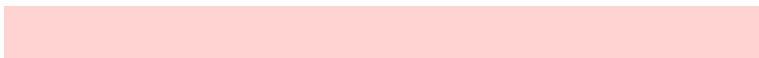
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.0327, 72.4476, 66.5387



67.9167, 72.4476, 102.2821



76.0415, 72.4476, 70.8208

Complementary

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



63.0327, 72.4476, 66.5387



66.8055, 64.1754, 82.2686

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.



76.6068, 72.4476, 81.6263



63.0327, 72.4476, 66.5387



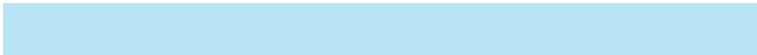
71.8175, 72.4476, 100.4951

Square

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



63.0327, 72.4476, 66.5387



64.4020, 72.4476, 97.3416



75.0343, 72.4476, 92.6670



73.5175, 72.4476, 62.9193

Rectangle

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



63.0327, 72.4476, 66.5387



61.7705, 72.4476, 83.7524



75.0343, 72.4476, 92.6670



76.4707, 72.4476, 74.2063

Sweetspot

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



63.0347, 72.4507, 66.5403



91.1879, 98.1485, 102.4176



70.0459, 75.5361, 66.7663



19.3025, 20.9045, 21.5602



0.0000, 0.0000, 0.0000



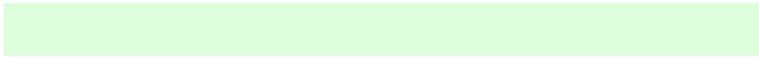
20.3446, 21.4041, 23.3091

Same Dimension

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



63.0347, 72.4507, 66.5403



78.3049, 91.9711, 80.8502



64.2021, 72.8863, 74.1045



14.2403, 16.1154, 15.2645



16.1060, 32.0844, 5.3440



1.2084, 2.3803, 0.3958

Inverse Universe

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



66.8055, 64.1754, 82.2686



84.1967, 79.0403, 105.4264



65.5514, 63.7103, 74.0141



14.9375, 14.5855, 18.1723



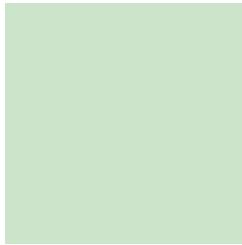
25.0200, 11.9642, 43.3738



1.8661, 0.8930, 3.2060

Previews

White Background



This preview shows how the XYZ color 63.0327, 72.4476, 66.5387 looks on a white background.

Color Contrast Check

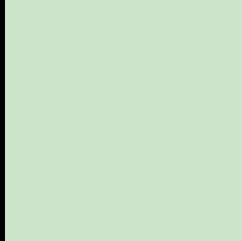
Large Text (above 18pt) WCAG AA × Fail

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 63.0327, 72.4476, 66.5387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

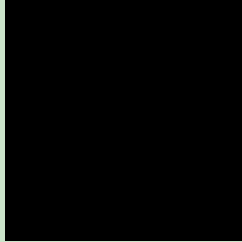
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

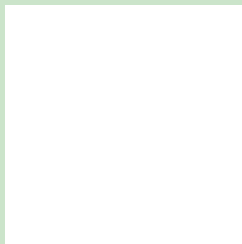
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.0327, 72.4476, 66.5387

Background



This preview shows how black text looks on a background with the XYZ color 63.0327, 72.4476, 66.5387.

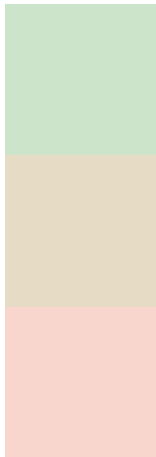


This preview shows how white text looks on a background with the XYZ color 63.0327, 72.4476,

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

63.0327, 72.4476, 66.5387

Protanopia

68.4194, 72.0866, 63.7341

Deuteranopia

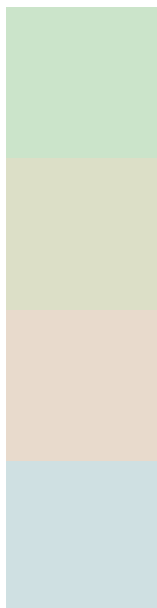
73.5251, 71.9527, 67.7707



Tritanopia

68.1439, 72.0891, 92.7611

Trichromacy



Original Color

63.0327, 72.4476, 66.5387

Protanomaly

66.2117, 72.1145, 64.4626

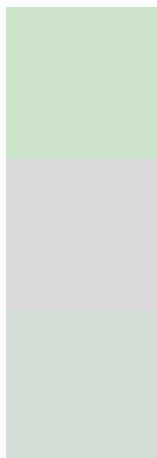
Deuteranomaly

69.2492, 71.6582, 67.3083

Tritanomaly

66.1152, 72.0677, 82.3773

Monochromacy



Original Color

63.0327, 72.4476, 66.5387

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.4455, 71.1422, 72.5698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0327, 72.4476, 66.5387 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, 228, 202)` looks like.

```
.text, #text, p{  
    color:rgb(203, 228, 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, 228, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 228, 202) }
```

Border

The CSS property to change the border of an element to XYZ 63.0327, 72.4476, 66.5387 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, 228, 202) }
```


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

```
.border{ border-color:rgb(203, 228, 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, 228, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 228, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 228, 202);  
box-shadow:4px 4px 4px 4px rgb(203, 228,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0327, 72.4476, 66.5387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 228, 202) }
```

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

```
.background{ background-color: rgb(203,  
228, 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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