

# Converting Colors

XYZ(63.0422, 73.2714, 68.1690)

Have a look what the booklet for  
XYZ(63.0422, 73.2714, 68.1690)  
contains.

<b>XYZ(63.0153, 73.2326, 67.9408)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(63.0153, 73.2326,  
67.9408)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C8E6CC
RGB	200, 230, 204
RGB Percent	78%, 90%, 80%
CMY	0.2157, 0.0980, 0.2000
CMYK	0.13, 0.00, 0.11, 0.10
HSL	128°, 38%, 84%
HSV	128°, 13%, 90%
XYZ	63.0153, 73.2326, 67.9408
YIQ	218.0660, -9.5340, -14.4460

# Conversions

## Conversions Part 2

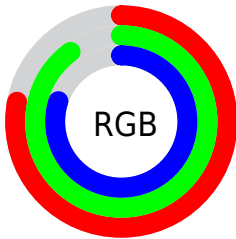
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	200, 226, 230
Decimal	13166284
CIE <sub>Lab</sub>	88.56, -14.70, 9.37
CIE <sub>LCh</sub>	89, 17.429, 147.485
Yxy	73.2326, 0.3086, 0.3587
Android (android.graphics.Color)	4291356364 (0xFFC8E6CC)
YUV	218.0660, -6.9345, -15.8439
Hunter-Lab	85.5760, -18.3167, 12.8315

# Details

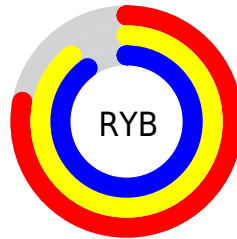
The XYZ color **63.0153, 73.2326, 67.9408** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.0175, 63.6243, 80.7034**, and the grayscale version is **66.7388, 70.2144, 76.4635**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.4951, 38.5851, 34.5892** is the 20% darker color. If you saturate the color by 10%, you get **55.0887, 69.4072, 55.8782**, and if you desaturate by 10%, it is **72.1760, 77.6630, 81.6616**.

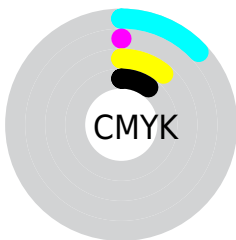
# Distribution



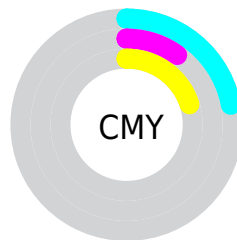
- Red (78%)
- Green (90%)
- Blue (80%)



- Red (78%)
- Yellow (89%)
- Blue (90%)



- Cyan (13%)
- Magenta (0%)
- Yellow (11%)
- Black (10%)



- Cyan (22%)
- Magenta (10%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.0153, 73.2326, 67.9408 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 63.0153, 73.2326, 67.9408 by changing the saturation by 10% instead.



63.0153, 73.2326,  
67.9408

63.0153, 73.2326,  
67.9408

425.2838,  
471.8206, 471.8786

46.1123, 54.1662,  
49.3832

108.2733,  
123.8074, 117.9209

32.5394, 38.7345,  
34.5558

137.3589,  
156.0845, 150.1804

21.9314, 26.5533,  
23.0401

171.2362,  
193.5340, 187.8443

13.9228, 17.2380,  
14.4175

210.2704,  
236.5402, 231.3312

8.1483, 10.4043,  
8.2696

254.8269,  
285.4876, 281.0595

4.2426, 5.6679,  
4.1777

305.2711,

1.8403, 2.6442,

340.7605, 337.4478

1.7233

361.9682,  
402.7434, 400.9146

■ 0.5418, 0.9489,  
0.3766

■ 0.0000, 0.0000,  
0.0000

■ 63.0153, 73.2326,  
67.9408

■ 63.0153, 73.2326,  
67.9408

■ 55.0887, 69.4072,  
55.8782

■ 72.1760, 77.6630,  
81.6616

■ 48.3377, 66.1517,  
45.4064

■ 82.6144, 82.7134,  
97.0951

■ 42.7076, 63.4415,  
36.4604

■ 87.5882, 85.0764,  
106.4127

■ 38.1375, 61.2465,  
28.9690

■ 34.5601, 59.5339,  
22.8552

■ 31.9006, 58.2669,  
18.0349

■ 30.0735, 57.4032,  
14.4150

■ 28.9765, 56.8924,  
11.8897

■ 28.5412, 56.6936,  
10.7121

# Harmonies

## Analogous

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



65.9445, 73.2326, 60.9297



63.0153, 73.2326, 67.9408



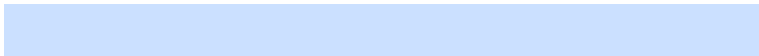
61.8452, 73.2326, 78.7271

# Triad

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



63.0153, 73.2326, 67.9408



69.2516, 73.2326, 105.1472



77.0182, 73.2326, 69.5333

# Complementary

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



63.0153, 73.2326, 67.9408



67.0175, 63.6243, 80.7034

# 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.



77.9890, 73.2326, 80.7572



63.0153, 73.2326, 67.9408



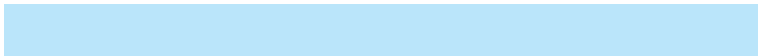
73.3993, 73.2326, 102.0657

# Square

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



63.0153, 73.2326, 67.9408



65.3541, 73.2326, 100.8737



76.6396, 73.2326, 92.8271



74.0371, 73.2326, 61.7820



# Rectangle

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



63.0153, 73.2326, 67.9408



62.1835, 73.2326, 86.8904



76.6396, 73.2326, 92.8271



77.5955, 73.2326, 72.9890

# Sweetspot

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



63.0173, 73.2357, 67.9424



90.0056, 97.5602, 101.4048



70.2462, 77.0171, 65.8078



19.0681, 20.7867, 21.4115



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

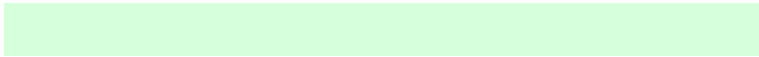


# Same Dimension

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



63.0173, 73.2357, 67.9424



76.4206, 90.9945, 80.9963



64.8389, 73.9644, 77.5349



14.2672, 16.1203, 15.6717



16.1829, 32.1052, 6.1973



1.2211, 2.3826, 0.5908



# Inverse Universe

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



67.0175, 63.6243, 80.7034



82.5236, 76.3290, 100.4648



65.1104, 62.8614, 70.6608



14.9081, 14.5804, 17.7164



24.3663, 11.8807, 31.8876

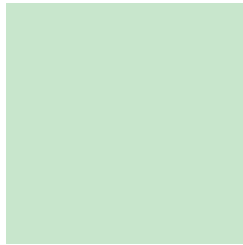


1.8236, 0.8872, 2.4778



# Previews

## White Background



This preview shows how the XYZ color 63.0153, 73.2326, 67.9408 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

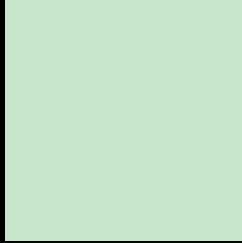
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.0153, 73.2326, 67.9408 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

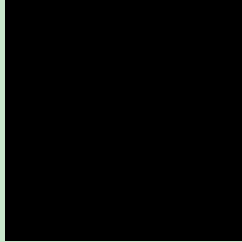
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

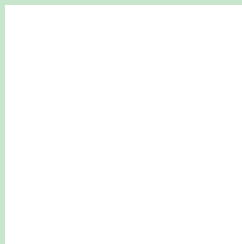
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 63.0153, 73.2326, 67.9408

## Background



This preview shows how black text looks on a background with the XYZ color 63.0153, 73.2326, 67.9408.



This preview shows how white text looks on a background with the XYZ color 63.0153, 73.2326,

67.9408.

# 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

63.0153, 73.2326, 67.9408

### Protanopia

69.1203, 72.8253, 64.4465

### Deuteranopia

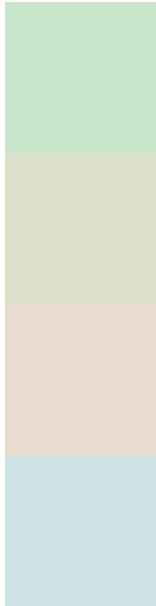
74.3760, 72.7379, 69.1513



## Tritanopia

68.1363, 72.8439, 94.4735

# Trichromacy



**Original Color**

63.0153, 73.2326, 67.9408

**Protanomaly**

66.7135, 72.7440, 65.7832

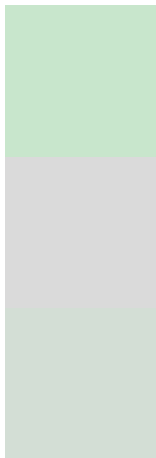
**Deuteranomaly**

69.6888, 72.6316, 68.7388

**Tritanomaly**

66.1018, 72.8315, 83.9727

# Monochromacy



**Original Color**

63.0153, 73.2326, 67.9408

**Achromatopsia**

66.6397, 70.1102, 76.3500

**Achromatomaly**

64.9955, 70.8955, 73.2094

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.0153, 73.2326, 67.9408 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(200, 230, 204)` looks like.

```
.text, #text, p{  
    color:rgb(200, 230, 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(200, 230, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 230, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 63.0153, 73.2326, 67.9408 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(200, 230, 204) }
```



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

```
.border{ border-color:rgb(200, 230, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 230, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 230, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 230, 204);  
box-shadow:4px 4px 4px 4px rgb(200, 230,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.0153, 73.2326, 67.9408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 230, 204) }
```

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

```
.background{ background-color: rgb(200,  
230, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor