

# Converting Colors

XYZ(67.3696, 73.9845, 67.6550)

Have a look what the booklet for  
XYZ(67.3696, 73.9845, 67.6550)  
contains.

<b>XYZ(67.3089, 73.8124, 67.8264)</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(67.3089, 73.8124,  
67.8264)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DBE2CC
RGB	219, 226, 204
RGB Percent	86%, 89%, 80%
CMY	0.1412, 0.1137, 0.2000
CMYK	0.03, 0.00, 0.10, 0.11
HSL	79°, 28%, 84%
HSV	79°, 10%, 89%
XYZ	67.3089, 73.8124, 67.8264
YIQ	221.3990, 2.8900, -8.3260

# Conversions

## Conversions Part 2

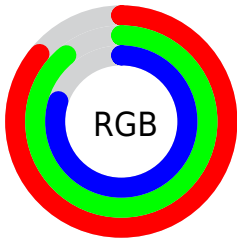
Format	Color
<a href="#">RYB</a>	<a href="#">204, 226, 211</a>
Decimal	<a href="#">14410444</a>
CIELab	<a href="#">88.83, -6.20, 9.94</a>
CIELCh	<a href="#">89, 11.714, 121.948</a>
Yxy	<a href="#">73.8124, 0.3221, 0.3533</a>
Android (android.graphics.Color)	<a href="#">4292600524 (0xFFD8E2CC)</a>
YUV	<a href="#">221.3990, -8.5777, -2.1039</a>
Hunter-Lab	<a href="#">85.9141, -10.5050, 13.3324</a>

# Details

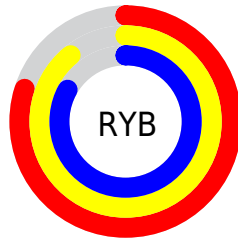
The XYZ color **67.3089, 73.8124, 67.8264** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.1871, 62.5276, 80.7468**, and the grayscale version is **69.0664, 72.6632, 79.1302**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.3778, 39.2203, 34.5598** is the 20% darker color. If you saturate the color by 10%, you get **62.6754, 71.7167, 54.4716**, and if you desaturate by 10%, it is **72.4334, 76.1201, 83.2605**.

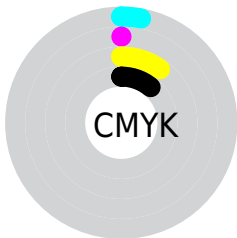
# Distribution



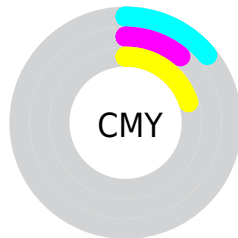
- Red (86%)
- Green (89%)
- Blue (80%)



- Red (80%)
- Yellow (89%)
- Blue (83%)



- Cyan (3%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)



- Cyan (14%)
- Magenta (11%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3089, 73.8124, 67.8264 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 67.3089, 73.8124, 67.8264 by changing the saturation by 10% instead.



67.3089, 73.8124,  
67.8264

67.3089, 73.8124,  
67.8264

440.4587,  
473.8256, 471.4620

49.6073, 54.6405,  
49.2907

114.4103,  
124.6298, 117.7556

35.3180, 39.1140,  
34.4829

144.5408,  
157.0442, 149.9862

24.0756, 26.8484,  
22.9845

179.5450,  
194.6414, 187.6189

15.5148, 17.4594,  
14.3769

219.7882,  
237.8060, 231.0722

9.2701, 10.5626,  
8.2415

265.6359,  
286.9224, 280.7646

4.9763, 5.7735,  
4.1599

317.4533,

2.2680, 2.7079,

342.3748, 337.1147

1.7135

375.6058,  
404.5478, 400.5410

■ 0.7782, 0.9812,  
0.3699

■ 0.0000, 0.0000,  
0.0000

■ 67.3089, 73.8124,  
67.8264

■ 67.3089, 73.8124,  
67.8264

■ 62.6754, 71.7167,  
54.4716

■ 72.4334, 76.1201,  
83.2605

■ 58.5088, 69.8161,  
43.1024

■ 78.0599, 78.6371,  
100.8527

■ 54.7919, 68.1059,  
33.6251

■ 81.3814, 80.2431,  
105.8070

■ 51.5039, 66.5776,  
25.9366

■ 83.8803, 81.5314,  
105.9239

■ 48.6220, 65.2221,  
19.9238

■ 86.4773, 82.8702,  
106.0454

■ 46.1211, 64.0290,  
15.4608

■ 86.4878, 82.8756,  
106.0459

■ 43.9727, 62.9869,  
12.4040

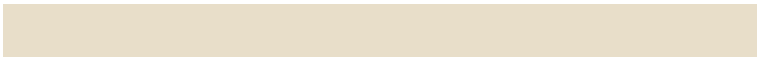
■ 42.1431, 62.0821,  
10.5829

■ 40.5762, 61.2920,  
9.7091

# Harmonies

## Analogous

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



69.9712, 73.8124, 65.7425



67.3089, 73.8124, 67.8264



65.4508, 73.8124, 73.2427

# Triad

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



67.3089, 73.8124, 67.8264



67.6219, 73.8124, 94.9625



75.7517, 73.8124, 79.8392

# Complementary

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



67.3089, 73.8124, 67.8264



62.1871, 62.5276, 80.7468

# 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.



75.0824, 73.8124, 87.9435



67.3089, 73.8124, 67.8264



70.3421, 73.8124, 97.0187

# Square

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



67.3089, 73.8124, 67.8264



65.6281, 73.8124, 88.9241



73.0832, 73.8124, 94.3701



74.8885, 73.8124, 72.3813



# Rectangle

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



67.3089, 73.8124, 67.8264



64.8918, 73.8124, 78.2003



73.0832, 73.8124, 94.3701



75.6984, 73.8124, 82.5777

# Sweetspot

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



67.3109, 73.8156, 67.8280



92.9524, 99.0581, 102.5001



65.5517, 67.1027, 66.6250



19.7778, 21.1495, 21.5824



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.



67.3109, 73.8156, 67.8280



87.0157, 96.3828, 84.8233



64.1196, 72.1704, 67.6786



14.4253, 15.7994, 14.5961



23.2534, 35.0201, 5.5340



1.7035, 2.4747, 0.3879



# Inverse Universe

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



62.1871, 62.5276, 80.7468



78.7911, 78.2628, 105.5612



65.4369, 64.2029, 80.8988



13.3607, 13.4540, 17.2804



9.4628, 3.9736, 41.3166

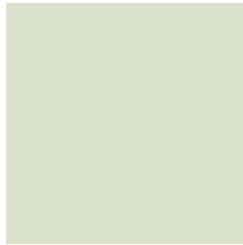


0.7468, 0.3223, 2.8681



# Previews

## White Background



This preview shows how the XYZ color 67.3089, 73.8124, 67.8264 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

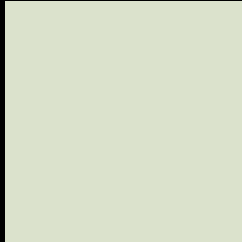
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.3089, 73.8124, 67.8264 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

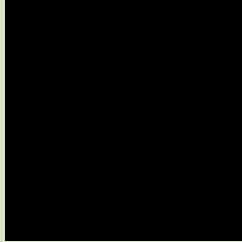
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

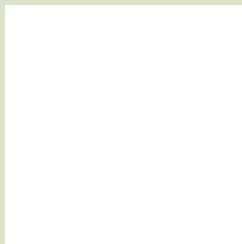
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 67.3089, 73.8124, 67.8264

## Background



This preview shows how black text looks on a background with the XYZ color 67.3089, 73.8124, 67.8264.



This preview shows how white text looks on a background with the XYZ color 67.3089, 73.8124,

67.8264.

# 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

67.3089, 73.8124, 67.8264

### Protanopia

70.0607, 73.6626, 66.4028

### Deuteranopia

75.2247, 73.5663, 68.6275



## Tritanopia

72.0295, 73.7332, 91.3245

# Trichromacy



## Original Color

67.3089, 73.8124, 67.8264

## Protanomaly

68.8457, 73.4180, 67.0425

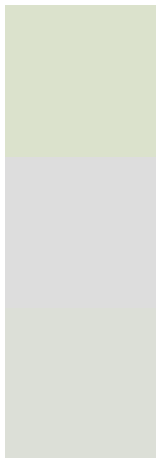
## Deuteranomaly

71.9476, 73.4215, 68.1373

## Tritanomaly

70.2393, 73.7959, 82.4935

# Monochromacy



## Original Color

67.3089, 73.8124, 67.8264

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

68.1686, 72.8973, 74.7677

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.3089, 73.8124, 67.8264 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(219, 226, 204) looks like.

```
.text, #text, p{  
    color:rgb(219, 226, 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(219, 226, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 226, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 67.3089, 73.8124, 67.8264 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(219, 226, 204) }
```



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

```
.border{ border-color:rgb(219, 226, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 226, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 226, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 226, 204);  
box-shadow:4px 4px 4px 4px rgb(219, 226,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.3089, 73.8124, 67.8264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 226, 204) }
```

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

```
.background{ background-color: rgb(219,  
226, 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