

# Converting Colors

XYZ(64.5118, 72.9249, 73.3499)

Have a look what the booklet for  
XYZ(64.5118, 72.9249, 73.3499)  
contains.

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# Color

**XYZ(64.6555, 73.1283,  
73.6583)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCE4D5
RGB	204, 228, 213
RGB Percent	80%, 89%, 84%
CMY	0.2000, 0.1059, 0.1647
CMYK	0.11, 0.00, 0.07, 0.11
HSL	142°, 31%, 85%
HSV	142°, 11%, 89%
XYZ	64.6555, 73.1283, 73.6583
YIQ	219.1140, -9.4890, -9.7530

# Conversions

## Conversions Part 2

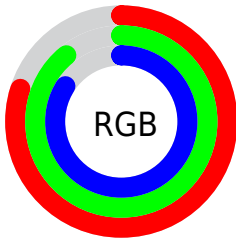
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 221, 228
Decimal	13427925
CIE <sub>Lab</sub>	88.51, -10.73, 4.62
CIE <sub>LCh</sub>	89, 11.684, 156.721
Yxy	73.1283, 0.3058, 0.3459
Android (android.graphics.Color)	4291618005 (0xFFCCE4D5)
YUV	219.1140, -3.0142, -13.2550
Hunter-Lab	85.5151, -14.6927, 8.7912

# Details

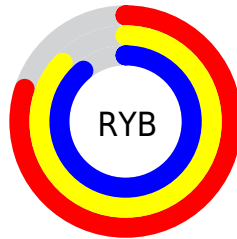
The XYZ color **64.6555, 73.1283, 73.6583** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.3766, 64.7960, 76.0297**, and the grayscale version is **67.4377, 70.9498, 77.2643**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6928, 38.8398, 38.0688** is the 20% darker color. If you saturate the color by 10%, you get **57.1279, 69.4496, 64.2751**, and if you desaturate by 10%, it is **73.2611, 77.3484, 83.9248**.

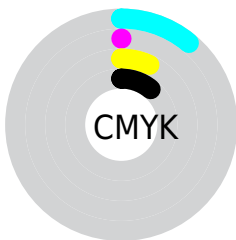
# Distribution



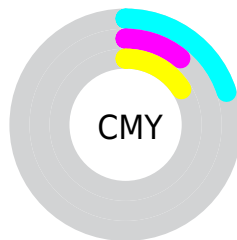
- Red (80%)
- Green (89%)
- Blue (84%)



- Red (80%)
- Yellow (87%)
- Blue (89%)



- Cyan (11%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)



- Cyan (20%)
- Magenta (11%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6555, 73.1283, 73.6583 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 64.6555, 73.1283, 73.6583 by changing the saturation by 10% instead.



64.6555, 73.1283,  
73.6583

64.6555, 73.1283,  
73.6583

431.1178,  
471.4594, 492.4250

47.4455, 54.0809,  
54.0193

110.6229,  
123.6593, 126.1409

33.5974, 38.6663,  
38.2238

140.1110,  
155.9117, 159.8215

22.7459, 26.5002,  
25.8533

174.4224,  
193.3346, 199.0199

14.5256, 17.1983,  
16.4891

213.9226,  
236.3123, 244.1544

8.5713, 10.3759,  
9.7128

258.9768,  
285.2292, 295.6436

4.5175, 5.6489,  
5.1059

309.9506,

1.9989, 2.6328,

340.4698, 353.9061

2.2497

367.2091,  
402.4183, 419.3604

■ 0.6333, 0.9432,  
0.7028

■ 0.0000, 0.0000,  
0.0000

■ 64.6555, 73.1283,  
73.6583

■ 64.6555, 73.1283,  
73.6583

■ 57.1279, 69.4496,  
64.2751

■ 73.2611, 77.3484,  
83.9248

■ 50.6284, 66.2811,  
55.7472

■ 82.9796, 82.1213,  
95.0923

■ 45.1125, 63.6021,  
48.0519

■ 87.0348, 83.9696,  
106.2283

■ 40.5295, 61.3872,  
41.1636

■ 36.8245, 59.6086,  
35.0556

■ 33.9362, 58.2352,  
29.6995

■ 31.7950, 57.2317,  
25.0653

■ 30.3186, 56.5563,  
21.1205

■ 29.4041, 56.1533,  
17.9859

# Harmonies

## Analogous

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



66.3223, 73.1283, 67.8428



64.6555, 73.1283, 73.6583



64.2721, 73.1283, 81.4509

# Triad

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



64.6555, 73.1283, 73.6583



70.1412, 73.1283, 96.0192



73.9322, 73.1283, 70.7172

# Complementary

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



64.6555, 73.1283, 73.6583



66.3766, 64.7960, 76.0297

# 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.



75.0171, 73.1283, 77.8251



64.6555, 73.1283, 73.6583



72.7905, 73.1283, 92.6964

# Square

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



64.6555, 73.1283, 73.6583



67.3906, 73.1283, 94.7172



74.5938, 73.1283, 85.9040



71.6657, 73.1283, 66.2265



# Rectangle

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



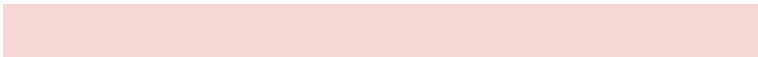
64.6555, 73.1283, 73.6583



64.7864, 73.1283, 86.7942



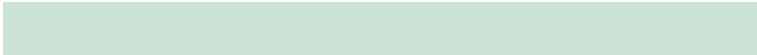
74.5938, 73.1283, 85.9040



74.4499, 73.1283, 72.8605

# Sweetspot

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



64.6575, 73.1314, 73.6599



91.5309, 98.2737, 104.7666



67.9189, 74.9410, 68.0131



19.3948, 20.9382, 22.1917



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

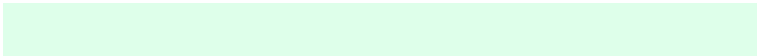


# Same Dimension

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



64.6575, 73.1314, 73.6599



80.7298, 92.9825, 91.7452



66.2110, 73.7528, 81.8405



14.4117, 16.1781, 16.4329



17.0311, 32.4445, 10.6638



1.3024, 2.4151, 1.0191



# Inverse Universe

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



66.3766, 64.7960, 76.0297



83.4343, 79.8680, 95.4728



64.8770, 64.1962, 68.1328



14.7539, 14.5188, 16.9047



21.3758, 10.6846, 16.1400



1.6243, 0.8074, 1.4280



# Previews

## White Background



This preview shows how the XYZ color 64.6555, 73.1283, 73.6583 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

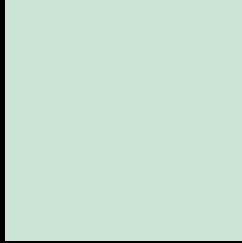
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.6555, 73.1283, 73.6583 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

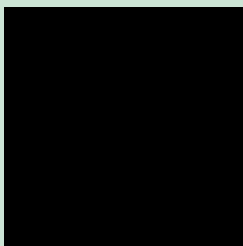
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.6555, 73.1283, 73.6583**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.6555, 73.1283, 73.6583.



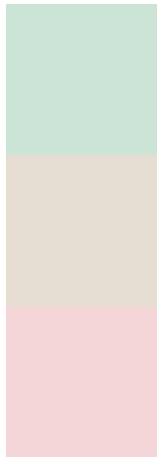
This preview shows how white text looks on a background with the XYZ color 64.6555, 73.1283,



# 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

64.6555, 73.1283, 73.6583

### Protanopia

69.6782, 72.9744, 70.7346

### Deuteranopia

74.0974, 72.4635, 75.0472



## Tritanopia

68.9772, 73.2774, 94.5129

# Trichromacy



## Original Color

64.6555, 73.1283, 73.6583

## Protanomaly

67.8037, 73.1801, 71.5243

## Deuteranomaly

70.2304, 72.3923, 74.5616

## Tritanomaly

67.0811, 72.8853, 86.1340

# Monochromacy



## Original Color

64.6555, 73.1283, 73.6583

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

66.3772, 71.5484, 75.9574

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.6555, 73.1283, 73.6583 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(204, 228, 213) looks like.

```
.text, #text, p{  
    color:rgb(204, 228, 213)  
}
```

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(204, 228, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 228, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 64.6555, 73.1283, 73.6583 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(204, 228, 213) }
```



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

```
.border{ border-color:rgb(204, 228, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 228, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 228, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 228, 213);  
box-shadow:4px 4px 4px 4px rgb(204, 228,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.6555, 73.1283, 73.6583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 228, 213) }
```

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

```
.background{ background-color: rgb(204,  
228, 213) }
```

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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