

# Converting Colors

XYZ(69.2253, 75.6705, 79.5330)

Have a look what the booklet for  
XYZ(69.2253, 75.6705, 79.5330)  
contains.

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# Color

**XYZ(69.3894, 75.8580,  
79.3915)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8E5DD
RGB	216, 229, 221
RGB Percent	85%, 90%, 87%
CMY	0.1529, 0.1019, 0.1333
CMYK	0.06, 0.00, 0.03, 0.10
HSL	143°, 20%, 87%
HSV	143°, 6%, 90%
XYZ	69.3894, 75.8580, 79.3915
YIQ	224.2010, -5.1800, -5.2440

# Conversions

## Conversions Part 2

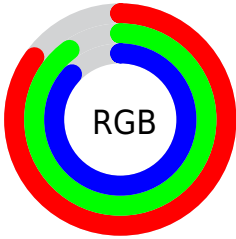
Format	Color
R <sub>Y</sub> B	216, 225, 229
Decimal	14214621
CIE Lab	89.79, -5.79, 2.39
CIE LCh	90, 6.263, 157.564
Yxy	75.8580, 0.3089, 0.3377
Android (android.graphics.Color)	4292404701 (0xFFD8E5DD)
YUV	224.2010, -1.5781, -7.1923
Hunter-Lab	87.0965, -10.2087, 6.9226

# Details

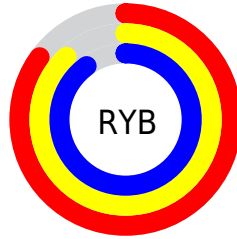
The XYZ color **69.3894, 75.8580, 79.3915** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.3263, 71.1536, 80.5521**, and the grayscale version is **71.0106, 74.7087, 81.3578**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.7169, 40.6023, 41.9782** is the 20% darker color. If you saturate the color by 10%, you get **61.2900, 71.8927, 69.6180**, and if you desaturate by 10%, it is **78.5937, 80.3790, 90.0429**.

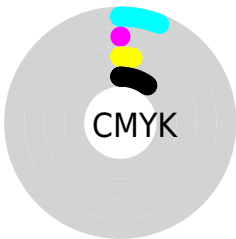
# Distribution



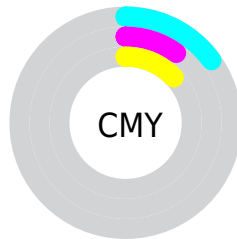
- Red (85%)
- Green (90%)
- Blue (87%)



- Red (85%)
- Yellow (88%)
- Blue (90%)



- Cyan (6%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)



- Cyan (15%)
- Magenta (10%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3894, 75.8580, 79.3915 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 69.3894, 75.8580, 79.3915 by changing the saturation by 10% instead.



■ 69.3894, 75.8580,  
79.3915

■ 69.3894, 75.8580,  
79.3915

447.7031,  
480.8615, 512.5324

■ 51.3067, 56.3161,  
58.6945

117.3686,  
127.5262, 134.3135

■ 36.6748, 40.4564,  
41.9489

147.9958,  
160.4212, 169.3757

■ 25.1283, 27.8946,  
28.7360

183.5353,  
198.5360, 210.0633

■ 16.3019, 18.2462,  
18.6373

224.3523,  
242.2551, 256.7949

■ 9.8302, 11.1269,  
11.2344

270.8122,  
291.9628, 309.9891

■ 5.3480, 6.1522,  
6.1086

323.2804,

■ 2.4897, 2.9379,

348.0435, 370.0644

2.8413

382.1222,  
410.8816, 437.4393

■ 0.8901, 1.0994,  
1.0142

■ 0.0000, 0.0000,  
0.0000

■ 69.3894, 75.8580,  
79.3915

■ 69.3894, 75.8580,  
79.3915

■ 61.2900, 71.8927,  
69.6180

■ 78.5937, 80.3790,  
90.0429

■ 54.2464, 68.4518,  
60.6954

■ 86.3896, 84.1530,  
101.4693

■ 48.2153, 65.5155,  
52.6023

■ 87.3107, 84.5215,  
106.3202

■ 43.1479, 63.0593,  
45.3146

■ 38.9912, 61.0561,  
38.8070

■ 35.6866, 59.4765,  
33.0529

■ 33.1686, 58.2871,  
28.0243

■ 31.3611, 57.4494,  
23.6908

■ 30.1716, 56.9161,  
20.0199

# Harmonies

## Analogous

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



70.3047, 75.8580, 76.0338



69.3894, 75.8580, 79.3915



69.1956, 75.8580, 83.7215

# Triad

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



69.3894, 75.8580, 79.3915



72.4925, 75.8580, 91.3214



74.4815, 75.8580, 77.5171

# Complementary

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



69.3894, 75.8580, 79.3915



70.3263, 71.1536, 80.5521

# 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.



75.0861, 75.8580, 81.4815



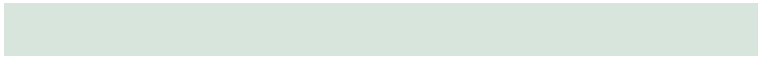
69.3894, 75.8580, 79.3915



73.9272, 75.8580, 89.5263

# Square

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



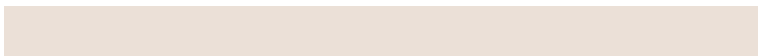
69.3894, 75.8580, 79.3915



70.9728, 75.8580, 90.7133



74.8818, 75.8580, 85.8865



73.2406, 75.8580, 74.9789



# Rectangle

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



69.3894, 75.8580, 79.3915



69.4990, 75.8580, 86.5966



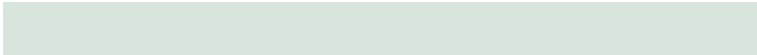
74.8818, 75.8580, 85.8865



74.7667, 75.8580, 78.7215

# Sweetspot

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



69.3915, 75.8612, 79.3932



92.6972, 98.8450, 106.1733



71.1625, 76.8500, 76.0498



19.8657, 21.1690, 22.7542



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.



69.3915, 75.8612, 79.3932



87.0663, 96.0828, 99.5557



70.2728, 76.2137, 84.0337



14.7608, 16.3487, 16.8738



17.0830, 32.4653, 10.9371



1.3066, 2.4168, 1.0414



# Inverse Universe

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



70.3263, 71.1536, 80.5521



88.5321, 88.7011, 101.3729



69.4631, 70.8083, 76.0063



15.0286, 15.0001, 17.2058



21.2822, 10.6471, 15.6467

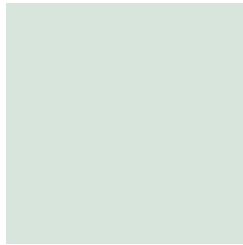


1.6177, 0.8048, 1.3935



# Previews

## White Background



This preview shows how the XYZ color 69.3894, 75.8580, 79.3915 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

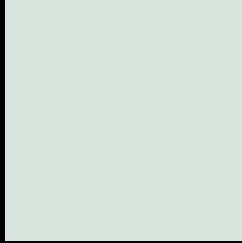
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.3894, 75.8580, 79.3915 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

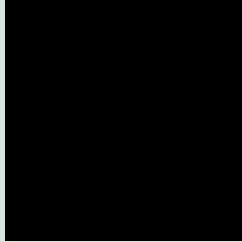
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

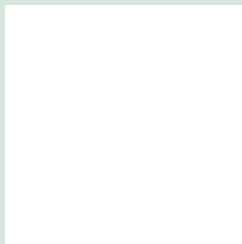
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 69.3894, 75.8580, 79.3915

## Background



This preview shows how black text looks on a background with the XYZ color 69.3894, 75.8580, 79.3915.



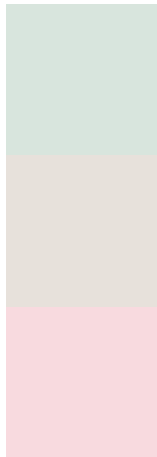
This preview shows how white text looks on a background with the XYZ color 69.3894, 75.8580,

79.3915.

# 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

69.3894, 75.8580, 79.3915

### Protanopia

72.6664, 75.9538, 77.8485

### Deuteranopia

77.1021, 75.4270, 80.3072



## Tritanopia

72.8892, 76.0794, 95.6371

# Trichromacy



## Original Color

69.3894, 75.8580, 79.3915

## Protanomaly

71.4787, 75.7288, 78.5599

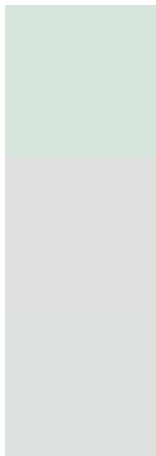
## Deuteranomaly

73.8982, 75.3493, 79.7563

## Tritanomaly

71.6779, 75.9964, 89.4882

# Monochromacy



## Original Color

69.3894, 75.8580, 79.3915

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

70.3344, 75.0926, 80.5993

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.3894, 75.8580, 79.3915 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(216, 229, 221) looks like.

```
.text, #text, p{  
    color:rgb(216, 229, 221)  
}
```

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(216, 229, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 229, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 69.3894, 75.8580, 79.3915 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(216, 229, 221) }
```



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

```
.border{ border-color:rgb(216, 229, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 229, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 229, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 229, 221); box-shadow:4px 4px 4px 4px rgb(216, 229, 221) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.3894, 75.8580, 79.3915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 229, 221) }
```

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

```
.background{ background-color: rgb(216,  
229, 221) }
```

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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