

# Converting Colors

XYZ(69.4217, 69.8572, 83.9291)

Have a look what the booklet for  
XYZ(69.4217, 69.8572, 83.9291)  
contains.

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# Color

**XYZ(69.5535, 69.9190,  
83.9586)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2D6E5
RGB	226, 214, 229
RGB Percent	89%, 84%, 90%
CMY	0.1137, 0.1608, 0.1020
CMYK	0.01, 0.07, 0.00, 0.10
HSL	288°, 22%, 87%
HSV	288°, 7%, 90%
XYZ	69.5535, 69.9190, 83.9586
YIQ	219.2980, 2.3370, 7.2090

# Conversions

## Conversions Part 2

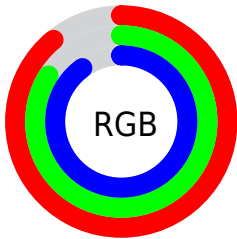
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 214, 229
Decimal	14866149
CIE Lab	86.96, 6.79, -5.89
CIE LCh	87, 8.987, 319.075
Yxy	69.9190, 0.3113, 0.3129
Android (android.graphics.Color)	4293056229 (0xFFE2D6E5)
YUV	219.2980, 4.7831, 5.8777
Hunter-Lab	83.6176, 2.1464, -0.9995

# Details

The XYZ color **69.5535, 69.9190, 83.9586** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.7747, 75.6472, 74.5983**, and the grayscale version is **67.5072, 71.0228, 77.3439**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8327, 36.5102, 45.1503** is the 20% darker color. If you saturate the color by 10%, you get **62.7440, 58.4030, 82.0957**, and if you desaturate by 10%, it is **77.2202, 83.0903, 86.0979**.

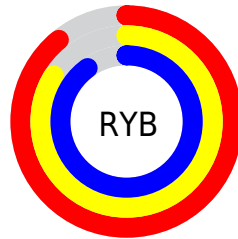
# Distribution



Red (89%)

Green (84%)

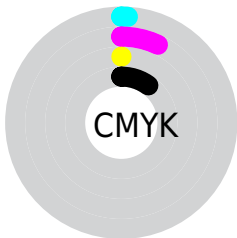
Blue (90%)



Red (89%)

Yellow (84%)

Blue (90%)

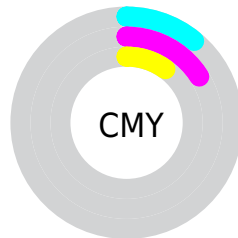


Cyan (1%)

Magenta (7%)

Yellow (0%)

Black (10%)



Cyan (11%)

Magenta (16%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5535, 69.9190, 83.9586 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 69.5535, 69.9190, 83.9586 by changing the saturation by 10% instead.



69.5535, 69.9190,  
83.9586

69.5535, 69.9190,  
83.9586

448.2716,  
460.2655, 528.2302

51.4409, 51.4605,  
62.4361

117.6015,  
119.0932, 140.7785

36.7821, 36.5752,  
44.9471

148.2677,  
150.5778, 176.9129

25.2117, 24.8788,  
31.0731

183.8490,  
187.1731, 218.7550

16.3644, 15.9868,  
20.3956

224.7110,  
229.2636, 266.7234

9.8749, 9.5148,  
12.4960

271.2189,  
277.2337, 321.2366

5.3777, 5.0785,  
6.9558

323.7380,

2.5076, 2.2934,

331.4678, 382.7131

3.3564

382.6338,  
392.3503, 451.5714

■ 0.8991, 0.7702,  
1.2794

■ 0.0000, 0.0000,  
0.0448

■ 69.5535, 69.9190,  
83.9586

■ 69.5535, 69.9190,  
83.9586

■ 62.7440, 58.4030,  
82.0957

■ 77.2202, 83.0903,  
86.0979

■ 56.7515, 48.4655,  
80.4934

■ 84.2179, 94.8671,  
88.0022

■ 51.5415, 40.0370,  
79.1412

■ 85.7512, 95.6576,  
88.0740

■ 47.0747, 33.0393,  
78.0259

■ 87.3239, 96.4684,  
88.1476

■ 43.3084, 27.3872,  
77.1334

■ 88.9360, 97.2995,  
88.2230

■ 40.1949, 22.9861,  
76.4480

■ 90.5880, 98.1511,  
88.3004

■ 37.6806, 19.7292,  
75.9519

■ 91.1431, 98.4372,  
88.3263

■ 35.7029, 17.4915,  
75.6242

■ 34.1825, 16.1153,  
75.4387

# Harmonies

## Analogous

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



67.7842, 69.9190, 87.5895



69.5535, 69.9190, 83.9586



70.4997, 69.9190, 78.3424

# Triad

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



69.5535, 69.9190, 83.9586



67.2240, 69.9190, 65.3313



62.7126, 69.9190, 79.9718

# Complementary

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



69.5535, 69.9190, 83.9586



68.7747, 75.6472, 74.5983

# 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.



62.5698, 69.9190, 73.9594



69.5535, 69.9190, 83.9586



65.1451, 69.9190, 65.7162

# Square

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



69.5535, 69.9190, 83.9586



69.1360, 69.9190, 67.7230



63.4517, 69.9190, 68.8036



63.8460, 69.9190, 85.2053



# Rectangle

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



69.5535, 69.9190, 83.9586



70.5232, 69.9190, 74.3205



63.4517, 69.9190, 68.8036



62.5481, 69.9190, 77.9684

# Sweetspot

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



69.5555, 69.9220, 83.9601



93.0702, 96.5961, 108.3473



66.7546, 69.7111, 84.0670



19.9416, 20.7112, 23.1966



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.



69.5555, 69.9220, 83.9601



87.3986, 86.9021, 106.7751



69.9183, 70.1767, 80.9176



14.6979, 14.4620, 18.1611



19.3785, 9.0559, 43.1098



1.5040, 0.7063, 3.1890



# Inverse Universe

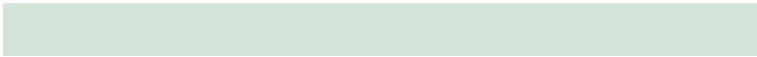
The Inverse Universe completely reimagines the original color for something new.



68.8864, 69.7640, 75.4840



86.3667, 86.6610, 93.5893



68.4409, 75.4116, 77.4528



14.4943, 14.4149, 15.5372



18.7890, 9.6498, 2.5178

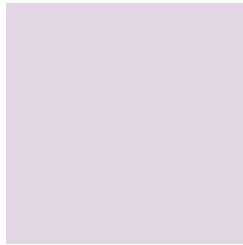


1.4211, 0.7262, 0.3582



# Previews

## White Background



This preview shows how the XYZ color 69.5535, 69.9190, 83.9586 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

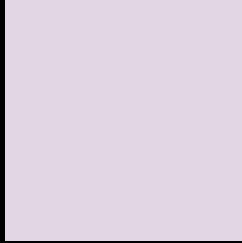
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.5535, 69.9190, 83.9586 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

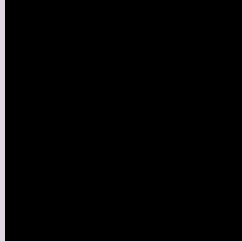
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

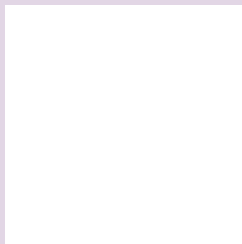
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 69.5535, 69.9190, 83.9586

## Background



This preview shows how black text looks on a background with the XYZ color 69.5535, 69.9190, 83.9586.



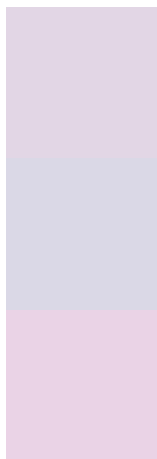
This preview shows how white text looks on a background with the XYZ color 69.5535, 69.9190,



# 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

69.5535, 69.9190, 83.9586

### Protanopia

67.7522, 69.7303, 84.7513

### Deuteranopia

71.5089, 69.7941, 84.5656



## Tritanopia

69.8344, 70.0314, 85.4380

# Trichromacy



## Original Color

69.5535, 69.9190, 83.9586

## Protanomaly

68.4022, 69.6862, 84.7085

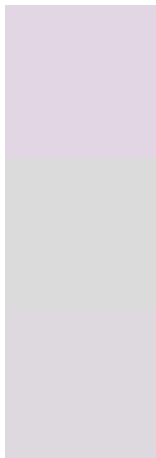
## Deuteranomaly

70.7814, 69.7891, 84.6030

## Tritanomaly

69.6935, 69.9751, 84.6962

# Monochromacy



## Original Color

69.5535, 69.9190, 83.9586

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

68.2563, 70.4830, 79.8191

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.5535, 69.9190, 83.9586 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(226, 214, 229) looks like.

```
.text, #text, p{  
    color:rgb(226, 214, 229)  
}
```

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(226, 214, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 214, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 69.5535, 69.9190, 83.9586 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(226, 214, 229) }
```



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

```
.border{ border-color:rgb(226, 214, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 214, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 214, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 214, 229); box-shadow:4px 4px 4px 4px rgb(226, 214, 229) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.5535, 69.9190, 83.9586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 214, 229) }
```

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

```
.background{ background-color: rgb(226,  
214, 229) }
```

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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