

# Converting Colors

XYZ(69.4665, 69.5842, 88.6365)

Have a look what the booklet for  
XYZ(69.4665, 69.5842, 88.6365)  
contains.

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# Color

**XYZ(69.4734, 69.7793,  
88.4044)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFD6EB
RGB	223, 214, 235
RGB Percent	87%, 84%, 92%
CMY	0.1255, 0.1608, 0.0784
CMYK	0.05, 0.09, 0.00, 0.08
HSL	266°, 34%, 88%
HSV	266°, 9%, 92%
XYZ	69.4734, 69.7793, 88.4044
YIQ	219.0850, -1.3770, 8.4390

# Conversions

## Conversions Part 2

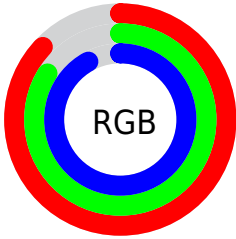
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 214, 235
Decimal	14669547
CIE Lab	86.89, 6.91, -9.19
CIE LCh	87, 11.498, 306.961
Yxy	69.7793, 0.3052, 0.3065
Android (android.graphics.Color)	4292859627 (0xFFDFD6EB)
YUV	219.0850, 7.8461, 3.4335
Hunter-Lab	83.5340, 2.2700, -4.2731

# Details

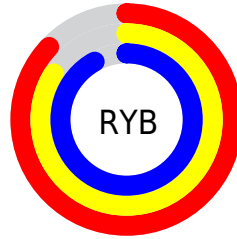
The XYZ color **69.4734, 69.7793, 88.4044** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.2126, 80.4423, 75.2900**, and the grayscale version is **67.3407, 70.8476, 77.1531**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.6833, 36.3758, 47.7356** is the 20% darker color. If you saturate the color by 10%, you get **59.9750, 56.6831, 86.3783**, and if you desaturate by 10%, it is **80.1622, 84.7667, 90.7350**.

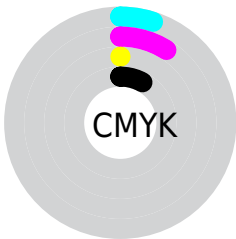
# Distribution



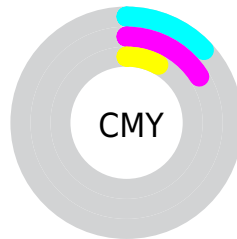
- Red (87%)
- Green (84%)
- Blue (92%)



- Red (87%)
- Yellow (84%)
- Blue (92%)



- Cyan (5%)
- Magenta (9%)
- Yellow (0%)
- Black (8%)



- Cyan (13%)
- Magenta (16%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.4734, 69.7793, 88.4044 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 69.4734, 69.7793, 88.4044 by changing the saturation by 10% instead.



■ 69.4734, 69.7793,  
88.4044

■ 69.4734, 69.7793,  
88.4044

447.9942,  
459.7747, 543.2622

■ 51.3754, 51.3466,  
66.0918

117.4879,  
118.8940, 147.0361

■ 36.7297, 36.4845,  
47.8900

148.1350,  
150.3448, 184.1923

■ 25.1710, 24.8087,  
33.3804

183.6959,  
186.9037, 227.1335

■ 16.3339, 15.9346,  
22.1445

224.5359,  
228.9552, 276.2781

■ 9.8531, 9.4779,  
13.7638

271.0204,  
276.8837, 332.0447

■ 5.3632, 5.0542,  
7.8197

323.5147,

■ 2.4988, 2.2791,

331.0735, 394.8519

3.8937

382.3842,  
391.9090, 465.1183

■ 0.8947, 0.7626,  
1.5672

■ 0.0000, 0.0000,  
0.2673

■ 69.4734, 69.7793,  
88.4044

■ 69.4734, 69.7793,  
88.4044

■ 59.9750, 56.6831,  
86.3783

■ 80.1622, 84.7667,  
90.7350

■ 51.6167, 45.3921,  
84.6394

■ 90.1310, 97.8170,  
92.7285

■ 44.3534, 35.8268,  
83.1759

■ 91.9956, 98.7782,  
92.8158

■ 38.1347, 27.8982,  
81.9733

■ 32.9055, 21.5091,  
81.0157

■ 28.6055, 16.5517,  
80.2855

■ 25.1663, 12.9033,  
79.7625

■ 22.5086, 10.4198,  
79.4232

■ 20.5164, 8.8847,  
79.2319

# Harmonies

## Analogous

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



66.9503, 69.7793, 91.6061



69.4734, 69.7793, 88.4044



71.1843, 69.7793, 81.9074

# Triad

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



69.4734, 69.7793, 88.4044



68.3625, 69.7793, 63.1774



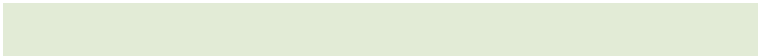
61.3333, 69.7793, 77.7824

# Complementary

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



69.4734, 69.7793, 88.4044



73.2126, 80.4423, 75.2900

# Split Complementary

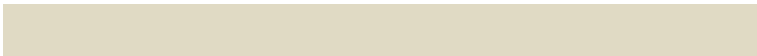
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



61.6884, 69.7793, 70.3415



69.4734, 69.7793, 88.4044



65.6999, 69.7793, 62.2364

# Square

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



69.4734, 69.7793, 88.4044



70.5310, 69.7793, 67.4365



63.2696, 69.7793, 64.7739



62.2861, 69.7793, 85.2114



# Rectangle

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



69.4734, 69.7793, 88.4044



71.6089, 69.7793, 76.7637



63.2696, 69.7793, 64.7739



61.3041, 69.7793, 75.1973

# Sweetspot

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



69.4755, 69.7823, 88.4059



91.0676, 94.3960, 108.0282



69.9939, 74.8256, 89.3521



19.2692, 19.8917, 23.0738



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.



69.4755, 69.7823, 88.4059



81.0915, 80.4761, 105.8672



72.7300, 71.4601, 88.5582



14.8432, 14.8644, 19.0091



11.4529, 4.9401, 44.0929



1.0074, 0.4436, 3.4674



# Inverse Universe

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



72.0375, 71.2495, 81.9108



84.8702, 82.6407, 96.2572



70.0936, 78.8344, 75.1441



15.4262, 15.1983, 17.5298



21.5398, 10.8186, 13.9098

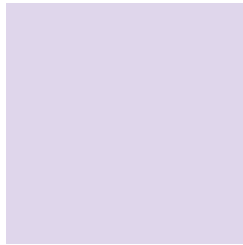


1.7394, 0.8687, 1.3452



# Previews

## White Background



This preview shows how the XYZ color 69.4734, 69.7793, 88.4044 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

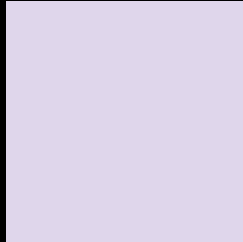
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.4734, 69.7793, 88.4044 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

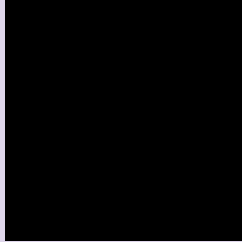
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

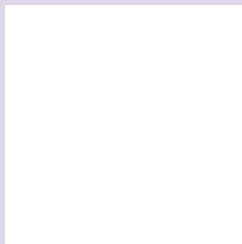
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 69.4734, 69.7793, 88.4044

## Background



This preview shows how black text looks on a background with the XYZ color 69.4734, 69.7793, 88.4044.



This preview shows how white text looks on a background with the XYZ color 69.4734, 69.7793,



# 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

69.4734, 69.7793, 88.4044

### Protanopia

68.0151, 69.7668, 89.2384

### Deuteranopia

71.0677, 69.4677, 89.0198



## Tritanopia

68.9901, 69.9567, 86.2107

# Trichromacy



## Original Color

69.4734, 69.7793, 88.4044

## Protanomaly

68.6542, 69.7171, 89.1952

## Deuteranomaly

70.3624, 69.4740, 89.0582

## Tritanomaly

69.1326, 70.0137, 86.9611

# Monochromacy



## Original Color

69.4734, 69.7793, 88.4044

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

67.9187, 70.2776, 81.2194

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.4734, 69.7793, 88.4044 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(223, 214, 235) looks like.

```
.text, #text, p{  
    color:rgb(223, 214, 235)  
}
```

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(223, 214, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 214, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 69.4734, 69.7793, 88.4044 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(223, 214, 235) }
```



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

```
.border{ border-color:rgb(223, 214, 235) }
```

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

Here you see how a box with a 4 pixel rgb(223, 214, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 214, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 214, 235);  
box-shadow:4px 4px 4px 4px rgb(223, 214,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.4734, 69.7793, 88.4044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 214, 235) }
```

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

```
.background{ background-color: rgb(223,  
214, 235) }
```

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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