

# Converting Colors

XYZ(69.1716, 69.4405, 89.3931)

Have a look what the booklet for  
XYZ(69.1716, 69.4405, 89.3931)  
contains.

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# Color

**XYZ(69.3111, 69.6789,  
89.1532)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DED6EC
RGB	222, 214, 236
RGB Percent	87%, 84%, 93%
CMY	0.1294, 0.1608, 0.0745
CMYK	0.06, 0.09, 0.00, 0.07
HSL	262°, 37%, 88%
HSV	262°, 9%, 93%
XYZ	69.3111, 69.6789, 89.1532
YIQ	218.9000, -2.2940, 8.5380

# Conversions

## Conversions Part 2

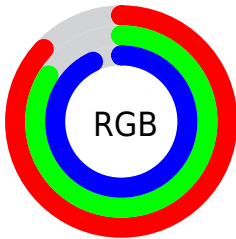
Format	Color
R <sub>Y</sub> B	222, 214, 236
Decimal	14604012
CIE Lab	86.84, 6.78, -9.80
CIE LCh	87, 11.912, 304.664
Yxy	69.6789, 0.3038, 0.3054
Android (android.graphics.Color)	4292794092 (0xFFDED6EC)
YUV	218.9000, 8.4303, 2.7187
Hunter-Lab	83.4739, 2.1351, -4.8922

# Details

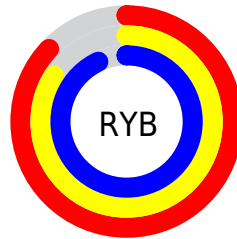
The XYZ color **69.3111, 69.6789, 89.1532** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.1306, 81.3418, 75.4153**, and the grayscale version is **67.2090, 70.7091, 77.0022**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.5727, 36.3071, 48.2604** is the 20% darker color. If you saturate the color by 10%, you get **59.3687, 56.3215, 87.1001**, and if you desaturate by 10%, it is **80.5328, 84.9841, 91.5170**.

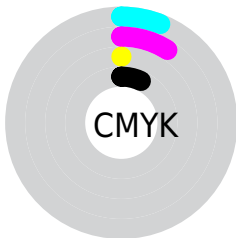
# Distribution



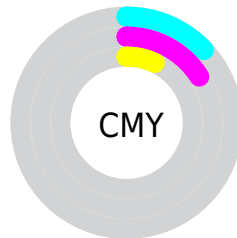
- Red (87%)
- Green (84%)
- Blue (93%)



- Red (87%)
- Yellow (84%)
- Blue (93%)



- Cyan (6%)
- Magenta (9%)
- Yellow (0%)
- Black (7%)



- Cyan (13%)
- Magenta (16%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3111, 69.6789, 89.1532 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 69.3111, 69.6789, 89.1532 by changing the saturation by 10% instead.



■ 69.3111, 69.6789,  
89.1532

■ 69.3111, 69.6789,  
89.1532

447.4317,  
459.4218, 545.7712

■ 51.2427, 51.2648,  
66.7088

117.2574,  
118.7507, 148.0868

■ 36.6236, 36.4194,  
48.3879

147.8661,  
150.1773, 185.4131

■ 25.0885, 24.7583,  
33.7720

183.3855,  
186.7100, 228.5371

■ 16.2721, 15.8971,  
22.4425

224.1810,  
228.7335, 277.8773

■ 9.8090, 9.4513,  
13.9810

270.6181,  
276.6320, 333.8522

■ 5.3338, 5.0367,  
7.9689

323.0620,

■ 2.4812, 2.2688,

330.7899, 396.8805

3.9875

381.8780,  
391.5917, 467.3807

■ 0.8858, 0.7571,  
1.6185

■ 0.0000, 0.0000,  
0.3040

■ 69.3111, 69.6789,  
89.1532

■ 69.3111, 69.6789,  
89.1532

■ 59.3687, 56.3215,  
87.1001

■ 80.5328, 84.9841,  
91.5170

■ 50.6518, 44.8236,  
85.3402

■ 91.0609, 98.2797,  
93.5284

■ 43.1116, 35.1028,  
83.8613

■ 92.1405, 98.8362,  
93.5790

■ 36.6935, 27.0672,  
82.6485

■ 31.3383, 20.6165,  
81.6856

■ 26.9808, 15.6391,  
80.9546

■ 23.5477, 12.0086,  
80.4348

■ 20.9536, 9.5755,  
80.1019

■ 19.0713, 8.1085,  
79.9179

# Harmonies

## Analogous

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



66.6628, 69.6789, 92.1522



69.3111, 69.6789, 89.1532



71.1715, 69.6789, 82.6019

# Triad

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



69.3111, 69.6789, 89.1532



68.5389, 69.6789, 62.8704



61.0474, 69.6789, 77.1186

# Complementary

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



69.3111, 69.6789, 89.1532



74.1306, 81.3418, 75.4153

# Split Complementary

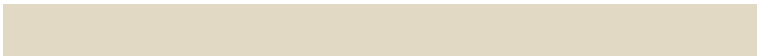
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



61.5183, 69.6789, 69.5113



69.3111, 69.6789, 89.1532



65.7945, 69.6789, 61.6257

# Square

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



69.3111, 69.6789, 89.1532



70.7170, 69.6789, 67.4996



63.2371, 69.6789, 63.9737



61.9325, 69.6789, 84.9020



# Rectangle

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



69.3111, 69.6789, 89.1532



71.6873, 69.6789, 77.2994



63.2371, 69.6789, 63.9737



61.0526, 69.6789, 74.4553

# Sweetspot

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



69.3132, 69.6819, 89.1547



90.8892, 94.3040, 108.0199



70.7004, 76.0067, 90.3024



19.2211, 19.8669, 23.0716



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.



69.3132, 69.6819, 89.1547



80.4797, 80.1607, 105.8386



72.6955, 71.4255, 89.3130



14.7482, 14.8155, 19.0046



10.5802, 4.4902, 44.0520



0.9331, 0.4053, 3.4639



# Inverse Universe

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



72.6447, 71.5306, 83.3804



85.1467, 82.7513, 97.7133



70.8401, 79.6455, 75.2613



15.4690, 15.2154, 17.7549



22.1756, 11.0729, 17.2580

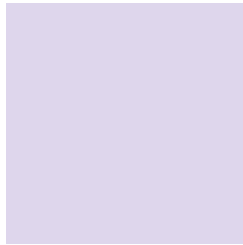


1.7872, 0.8878, 1.5968



# Previews

## White Background



This preview shows how the XYZ color 69.3111, 69.6789, 89.1532 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

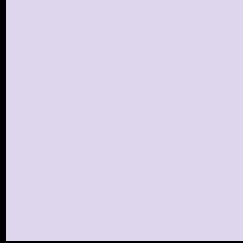
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.3111, 69.6789, 89.1532 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

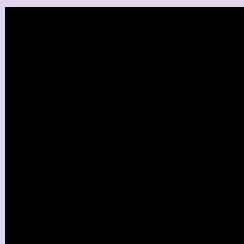
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 69.3111, 69.6789, 89.1532

## Background



This preview shows how black text looks on a background with the XYZ color 69.3111, 69.6789, 89.1532.



This preview shows how white text looks on a background with the XYZ color 69.3111, 69.6789,



# 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

69.3111, 69.6789, 89.1532

### Protanopia

67.8663, 69.6732, 89.9921

### Deuteranopia

71.2135, 69.5260, 89.7873



## Tritanopia

68.6847, 69.7992, 86.1965

# Trichromacy



## Original Color

69.3111, 69.6789, 89.1532

## Protanomaly

68.4999, 69.6207, 89.9486

## Deuteranomaly

70.5081, 69.5323, 89.8257

## Tritanomaly

68.8272, 69.8562, 86.9468

# Monochromacy



## Original Color

69.3111, 69.6789, 89.1532

## 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 69.3111, 69.6789, 89.1532 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(222, 214, 236) looks like.

```
.text, #text, p{  
    color:rgb(222, 214, 236)  
}
```

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(222, 214, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 214, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 69.3111, 69.6789, 89.1532 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(222, 214, 236) }
```



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

```
.border{ border-color:rgb(222, 214, 236) }
```

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

Here you see how a box with a 4 pixel rgb(222, 214, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 214, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 214, 236);  
box-shadow:4px 4px 4px 4px rgb(222, 214,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.3111, 69.6789, 89.1532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 214, 236) }
```

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

```
.background{ background-color: rgb(222,  
214, 236) }
```

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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