

# Converting Colors

XYZ(69.9230, 74.6533, 90.8450)

Have a look what the booklet for  
XYZ(69.9230, 74.6533, 90.8450)  
contains.

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# Color

**XYZ(69.9230, 74.6533,  
90.8450)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D5E2ED
RGB	213, 226, 237
RGB Percent	84%, 89%, 93%
CMY	0.1647, 0.1137, 0.0706
CMYK	0.10, 0.05, 0.00, 0.07
HSL	207°, 40%, 88%
HSV	207°, 10%, 93%
XYZ	69.9230, 74.6533, 90.8450
YIQ	223.3670, -11.2790, 0.6650

# Conversions

## Conversions Part 2

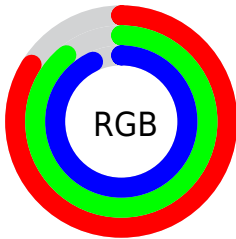
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	213, 221, 237
Decimal	14017261
CIE <sub>Lab</sub>	89.23, -2.21, -6.85
CIE <sub>LCh</sub>	89, 7.199, 252.112
Yxy	74.6533, 0.2970, 0.3171
Android (android.graphics.Color)	4292207341 (0xFFD5E2ED)
YUV	223.3670, 6.7211, -9.0919
Hunter-Lab	86.4021, -6.7484, -1.8572

# Details

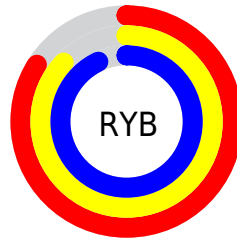
The XYZ color **69.9230, 74.6533, 90.8450** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.5913, 76.1195, 73.7659**, and the grayscale version is **70.3614, 74.0257, 80.6140**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0040, 39.7311, 49.4346** is the 20% darker color. If you saturate the color by 10%, you get **60.6851, 65.6472, 89.5947**, and if you desaturate by 10%, it is **80.3569, 84.5577, 92.2080**.

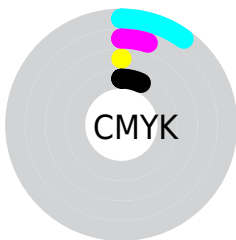
# Distribution



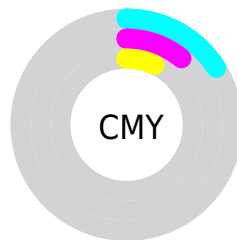
- Red (84%)
- Green (89%)
- Blue (93%)



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



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)



- Cyan (16%)
- Magenta (11%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9230, 74.6533, 90.8450 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 69.9230, 74.6533, 90.8450 by changing the saturation by 10% instead.



■ 69.9230, 74.6533,  
90.8450

■ 69.9230, 74.6533,  
90.8450

449.5502,  
476.7251, 551.4167

■ 51.7431, 55.3289,  
68.1040

118.1258,  
125.8215, 150.4573

■ 37.0238, 39.6651,  
49.5152

148.8795,  
158.4340, 188.1658

■ 25.3997, 27.2775,  
34.6598

184.5551,  
196.2448, 231.7005

■ 16.5054, 17.7818,  
23.1195

225.5180,  
239.6381, 281.4800

■ 9.9756, 10.7934,  
14.4756

272.1337,  
288.9984, 337.9228

■ 5.4449, 5.9281,  
8.3097

324.7673,

■ 2.5480, 2.8014,

344.7101, 401.4475

4.2032

383.7844,  
407.1575, 472.4726

■ 0.9195, 1.0290,  
1.7374

■ 0.0000, 0.0000,  
0.3862

■ 69.9230, 74.6533,  
90.8450

■ 69.9230, 74.6533,  
90.8450

■ 60.6851, 65.6472,  
89.5947

■ 80.3569, 84.5577,  
92.2080

■ 52.5898, 57.5006,  
88.4489

■ 90.0088, 94.3395,  
93.5873

■ 45.5893, 50.1857,  
87.4060

■ 92.2863, 98.8945,  
94.3465

■ 39.6294, 43.6692,  
86.4623

■ 34.6511, 37.9151,  
85.6140

■ 30.5888, 32.8838,  
84.8570

■ 27.3680, 28.5308,  
84.1865

■ 24.9005, 24.8046,  
83.5974

■ 23.0589, 21.6598,  
83.0874

# Harmonies

## Analogous

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



68.4788, 74.6533, 87.9474



69.9230, 74.6533, 90.8450



71.6670, 74.6533, 91.1171

# Triad

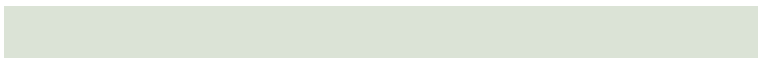
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.9230, 74.6533, 90.8450



74.3106, 74.6533, 79.2714



68.7142, 74.6533, 74.3160

# Complementary

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



69.9230, 74.6533, 90.8450



73.5913, 76.1195, 73.7659

# 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.



70.2492, 74.6533, 72.1865



69.9230, 74.6533, 90.8450



73.4917, 74.6533, 74.9674

# Square

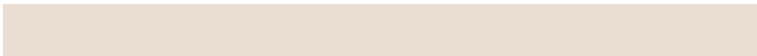
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.9230, 74.6533, 90.8450



74.2198, 74.6533, 84.2932



71.9986, 74.6533, 72.4199



67.7888, 74.6533, 78.3487



# Rectangle

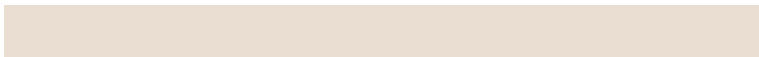
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.9230, 74.6533, 90.8450



72.7669, 74.6533, 89.7589



71.9986, 74.6533, 72.4199



69.1749, 74.6533, 73.3615

# Sweetspot

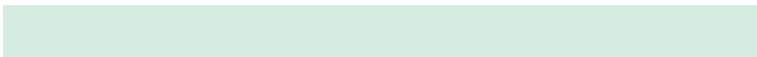
The Sweet Spot groups the original color and five complimentary colors.



69.9252, 74.6564, 90.8467



91.1833, 96.3618, 108.4016



71.1535, 80.0868, 82.0883



19.3005, 20.4208, 23.1743



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

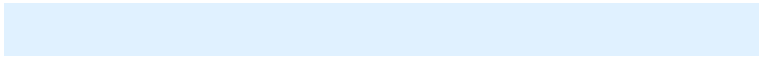


# Same Dimension

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



69.9252, 74.6564, 90.8467



80.3638, 86.0296, 106.9775



66.8251, 68.4564, 89.8133



14.9074, 15.9012, 19.2058



12.7221, 12.0912, 45.4063



1.0950, 1.1415, 3.5975



# Inverse Universe

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



72.4485, 71.0855, 81.8576



83.8774, 81.1362, 94.4429



76.8744, 82.6857, 74.8603



15.4068, 15.1906, 17.4275



21.2768, 10.7134, 12.5251

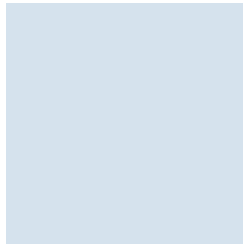


1.7192, 0.8607, 1.2388



# Previews

## White Background



This preview shows how the XYZ color 69.9230, 74.6533, 90.8450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

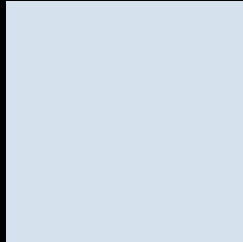
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.9230, 74.6533, 90.8450 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

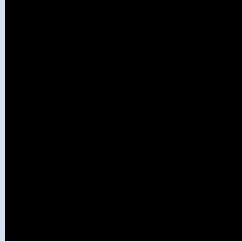
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

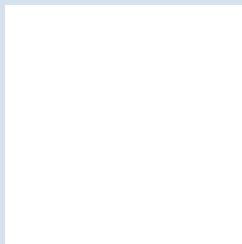
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 69.9230, 74.6533, 90.8450

## Background



This preview shows how black text looks on a background with the XYZ color 69.9230, 74.6533, 90.8450.



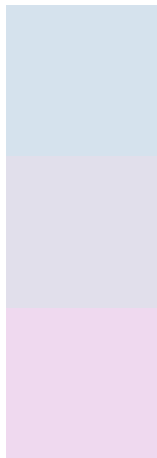
This preview shows how white text looks on a background with the XYZ color 69.9230, 74.6533,

90.8450.

# 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

69.9230, 74.6533, 90.8450

### Protanopia

72.4344, 74.7811, 89.2137

### Deuteranopia

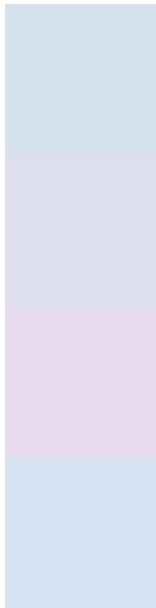
75.9894, 74.2084, 91.9799



## Tritanopia

70.8344, 74.6176, 95.4633

# Trichromacy



## Original Color

69.9230, 74.6533, 90.8450

## Protanomaly

71.6148, 74.7396, 90.0086

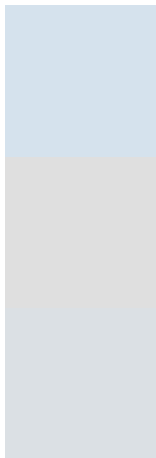
## Deuteranomaly

73.6589, 74.1824, 91.3253

## Tritanomaly

70.5340, 74.4974, 93.8810

# Monochromacy



## Original Color

69.9230, 74.6533, 90.8450

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

69.8727, 73.9728, 83.9943

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.9230, 74.6533, 90.8450 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(213, 226, 237) looks like.

```
.text, #text, p{  
    color:rgb(213, 226, 237)  
}
```

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(213, 226, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 226, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 69.9230, 74.6533, 90.8450 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(213, 226, 237) }
```



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

```
.border{ border-color:rgb(213, 226, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 226, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 226, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 226, 237);  
box-shadow:4px 4px 4px 4px rgb(213, 226,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.9230, 74.6533, 90.8450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 226, 237) }
```

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

```
.background{ background-color: rgb(213,  
226, 237) }
```

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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