

# Converting Colors

XYZ(69.5094, 76.8738, 87.3068)

Have a look what the booklet for  
XYZ(69.5094, 76.8738, 87.3068)  
contains.

<b>XYZ(69.7166, 77.0947, 87.5502)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(69.7166, 77.0947,  
87.5502)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1E8E8
RGB	209, 232, 232
RGB Percent	82%, 91%, 91%
CMY	0.1804, 0.0902, 0.0902
CMYK	0.10, 0.00, 0.00, 0.09
HSL	180°, 33%, 86%
HSV	180°, 10%, 91%
XYZ	69.7166, 77.0947, 87.5502
YIQ	225.1230, -13.7080, -4.8760

# Conversions

## Conversions Part 2

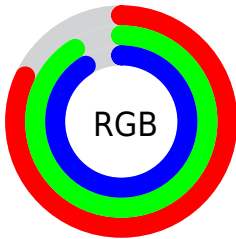
Format	Color
R <sub>Y</sub> B	209, 221, 232
Decimal	13756648
CIE Lab	90.37, -7.55, -2.59
CIE LCh	90, 7.979, 198.941
Yxy	77.0947, 0.2975, 0.3290
Android (android.graphics.Color)	4291946728 (0xFFD1E8E8)
YUV	225.1230, 3.3904, -14.1399
Hunter-Lab	87.8036, -11.9262, 2.3436

# Details

The XYZ color **69.7166, 77.0947, 87.5502** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.5906, 67.3623, 69.7650**, and the grayscale version is **71.6417, 75.3727, 82.0808**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.6882, 41.0553, 47.0651** is the 20% darker color. If you saturate the color by 10%, you get **63.6248, 73.9564, 87.2641**, and if you desaturate by 10%, it is **76.7687, 80.7322, 87.8844**.

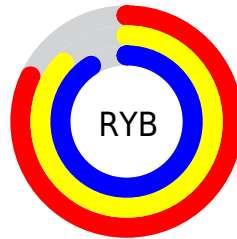
# Distribution



Red (82%)

Green (91%)

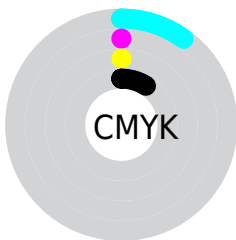
Blue (91%)



Red (82%)

Yellow (87%)

Blue (91%)

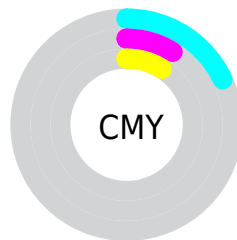


Cyan (10%)

Magenta (0%)

Yellow (0%)

Black (9%)



Cyan (18%)

Magenta (9%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7166, 77.0947, 87.5502 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 69.7166, 77.0947, 87.5502 by changing the saturation by 10% instead.



■ 69.7166, 77.0947,  
87.5502

■ 69.7166, 77.0947,  
87.5502

448.8363,  
485.0868, 540.3922

■ 51.5743, 57.3306,  
65.3884

117.8330,  
129.2732, 145.8364

■ 36.8888, 41.2707,  
47.3227

148.5378,  
162.4563, 182.7979

■ 25.2947, 28.5307,  
32.9347

184.1608,  
200.8812, 225.5297

■ 16.4266, 18.7261,  
21.8057

225.0673,  
244.9324, 274.4503

■ 9.9193, 11.4725,  
13.5173

271.6228,  
294.9941, 329.9784

■ 5.4073, 6.3856,  
7.6508

324.1925,

■ 2.5254, 3.0809,

351.4509, 392.5323

3.7878

383.1419,  
414.6870, 462.5308

■ 0.9081, 1.1741,  
1.5097

■ 0.0000, 0.0404,  
0.2251

■ 69.7166, 77.0947,  
87.5502

■ 69.7166, 77.0947,  
87.5502

■ 63.6248, 73.9564,  
87.2641

■ 76.7687, 80.7322,  
87.8844

■ 58.4454, 71.2864,  
87.0192


■ 84.6647, 84.8027,  
88.2565


■ 54.1367, 69.0652,  
86.8150


■ 84.6652, 84.8029,  
88.2591


■ 50.6508, 67.2683,  
86.6493


■ 84.6657, 84.8031,  
88.2617


 47.9354, 65.8685,  
86.5196


 84.6662, 84.8033,  
88.2643


 45.9321, 64.8358,  
86.4233


 84.6667, 84.8035,  
88.2669


 44.5742, 64.1358,  
86.3572

 84.6672, 84.8037,  
88.2694

 43.7823, 63.7276,  
86.3176

 84.6677, 84.8039,  
88.2720

 43.4218, 63.5418,  
86.2981

 84.6682, 84.8041,  
88.2746

# Harmonies

## Analogous

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



69.5850, 77.0947, 81.8587



69.7166, 77.0947, 87.5502



70.7918, 77.0947, 92.4793

# Triad

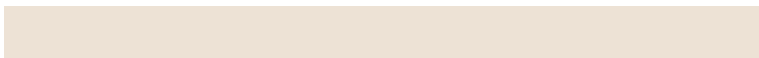
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.7166, 77.0947, 87.5502



76.1992, 77.0947, 91.3479



74.0126, 77.0947, 73.6418

# Complementary

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



69.7166, 77.0947, 87.5502



67.5906, 67.3623, 69.7650

# 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.



75.8181, 77.0947, 75.9489



69.7166, 77.0947, 87.5502



77.0957, 77.0947, 86.0625

# Square

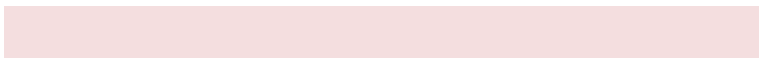
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



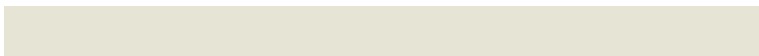
69.7166, 77.0947, 87.5502



74.5251, 77.0947, 94.7395



76.9549, 77.0947, 80.4363



72.0413, 77.0947, 73.9996



# Rectangle

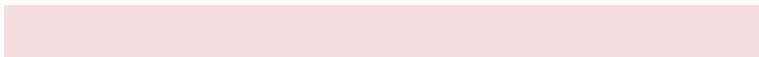
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.7166, 77.0947, 87.5502



71.9100, 77.0947, 94.5894



76.9549, 77.0947, 80.4363



74.6596, 77.0947, 74.1270

# Sweetspot

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



69.7188, 77.0979, 87.5519



92.2911, 98.5778, 108.7699



66.7706, 75.9312, 71.4599



19.6003, 21.0204, 23.2740



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.



69.7188, 77.0979, 87.5519



84.6739, 94.6510, 108.4106



66.6879, 71.0353, 86.5440



14.8074, 16.3364, 18.5166



24.1036, 35.2735, 47.9072



1.7812, 2.6066, 3.5403

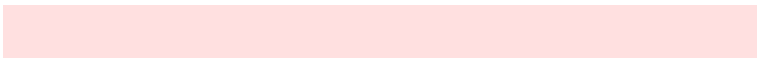


# Inverse Universe

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



67.5906, 67.3623, 69.7650



81.5128, 80.1904, 81.9911



70.4140, 73.0097, 70.7040



14.3771, 14.3680, 14.9205



18.4752, 9.5243, 0.8654

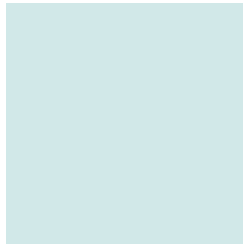


1.3653, 0.7038, 0.0641



# Previews

## White Background



This preview shows how the XYZ color 69.7166, 77.0947, 87.5502 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

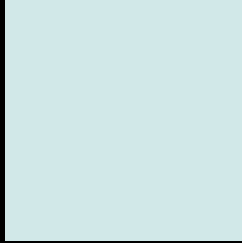
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.7166, 77.0947, 87.5502 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

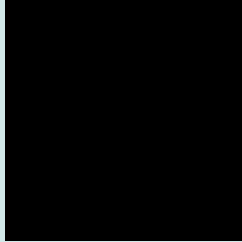
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

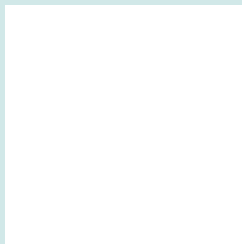
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 69.7166, 77.0947, 87.5502

## Background



This preview shows how black text looks on a background with the XYZ color 69.7166, 77.0947, 87.5502.



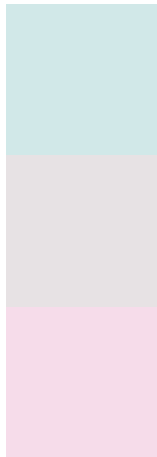
This preview shows how white text looks on a background with the XYZ color 69.7166, 77.0947,



# 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

69.7166, 77.0947, 87.5502

### Protanopia

74.1549, 76.9831, 84.3496

### Deuteranopia

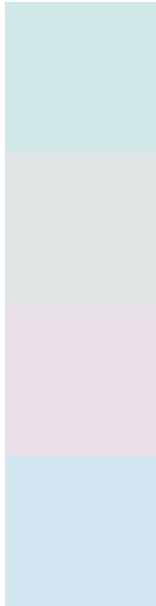
78.4505, 76.7197, 88.5155



## Tritanopia

72.3915, 77.3680, 99.9250

# Trichromacy



## Original Color

69.7166, 77.0947, 87.5502

## Protanomaly

72.3177, 76.8319, 85.1472

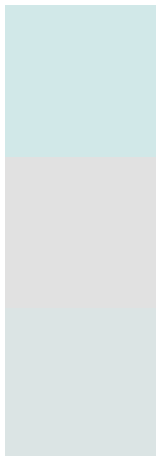
## Deuteranomaly

74.9679, 76.5181, 87.9090

## Tritanomaly

71.4669, 77.4115, 95.1796

# Monochromacy



## Original Color

69.7166, 77.0947, 87.5502

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

70.9604, 76.1483, 84.3569

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.7166, 77.0947, 87.5502 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(209, 232, 232)` looks like.

```
.text, #text, p{  
    color:rgb(209, 232, 232)  
}
```

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(209, 232, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 232, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 69.7166, 77.0947, 87.5502 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(209, 232, 232) }
```



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

```
.border{ border-color:rgb(209, 232, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 232, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 232, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 232, 232);  
box-shadow:4px 4px 4px 4px rgb(209, 232,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.7166, 77.0947, 87.5502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 232, 232) }
```

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

```
.background{ background-color: rgb(209,  
232, 232) }
```

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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