

# Converting Colors

XYZ(75.3436, 82.1363, 90.1775)

Have a look what the booklet for  
XYZ(75.3436, 82.1363, 90.1775)  
contains.

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# Color

**XYZ(75.4038, 82.0961,  
90.4692)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEEDEB
RGB	222, 237, 235
RGB Percent	87%, 93%, 92%
CMY	0.1294, 0.0706, 0.0784
CMYK	0.06, 0.00, 0.01, 0.07
HSL	172°, 29%, 90%
HSV	172°, 6%, 93%
XYZ	75.4038, 82.0961, 90.4692
YIQ	232.2870, -8.2980, -3.8020

# Conversions

## Conversions Part 2

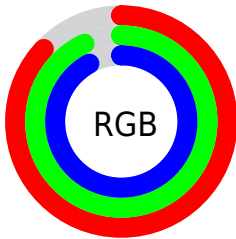
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 230, 237
Decimal	14609899
CIE <sub>Lab</sub>	92.62, -5.31, -0.75
CIE <sub>LCh</sub>	93, 5.365, 188.052
Y <sub>xy</sub>	82.0961, 0.3041, 0.3311
Android (android.graphics.Color)	4292799979 (0xFFDEEDEB)
Y <sub>UV</sub>	232.2870, 1.3375, -9.0217
Hunter-Lab	90.6069, -10.0129, 4.2249

# Details

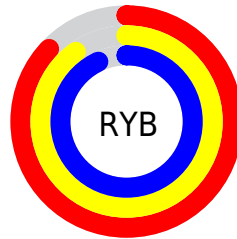
The XYZ color **75.4038, 82.0961, 90.4692** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.5039, 75.6311, 81.1964**, and the grayscale version is **76.9134, 80.9189, 88.1206**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.5969, 44.5179, 49.1010** is the 20% darker color. If you saturate the color by 10%, you get **68.1962, 78.4351, 87.7675**, and if you desaturate by 10%, it is **83.6446, 86.2933, 93.2651**.

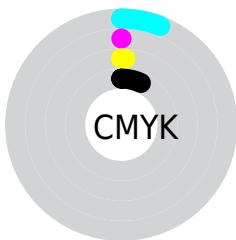
# Distribution



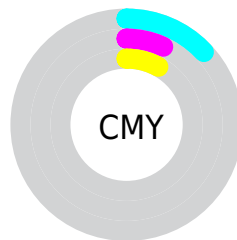
- Red (87%)
- Green (93%)
- Blue (92%)



- Red (87%)
- Yellow (90%)
- Blue (93%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.4038, 82.0961, 90.4692 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 75.4038, 82.0961, 90.4692 by changing the saturation by 10% instead.



75.4038, 82.0961,  
90.4692

75.4038, 82.0961,  
90.4692

468.2802,  
501.9691, 550.1654

56.2391, 61.4448,  
67.7940

125.8686,  
136.3088, 149.9312

40.6324, 44.5842,  
49.2645

157.8995,  
170.6389, 187.5550

28.2184, 31.1300,  
34.4623

194.9498,  
210.2973, 230.9987

18.6316, 20.6979,  
22.9687

237.3849,  
255.6686, 280.6809

11.5068, 12.9034,  
14.3653

285.5701,  
307.1370, 337.0202

6.4786, 7.3620,  
8.2335

339.8708,

3.1816, 3.6895,

365.0869, 400.4350

4.1548

400.6524,  
429.9028, 471.3439

■ 1.2505, 1.5014,  
1.7107

■ 0.1457, 0.2897,  
0.3680

■ 75.4038, 82.0961,  
90.4692

■ 75.4038, 82.0961,  
90.4692

■ 68.1962, 78.4351,  
87.7675

■ 83.6446, 86.2933,  
93.2651

■ 61.9725, 75.2781,  
85.1524


■ 87.4525, 88.2021,  
95.8946


■ 56.6896, 72.6051,  
82.6234


■ 87.9304, 88.3933,  
98.4112

■ 52.2985, 70.3911,  
80.1779


■ 88.4166, 88.5878,  
100.9712

 48.7461, 68.6084,  
77.8133


 88.9110, 88.7855,  
103.5750


 45.9732, 67.2266,  
75.5265

 89.4138, 88.9867,  
106.2227

 43.9128, 66.2113,  
73.3142

 89.5757, 89.0514,  
107.0752

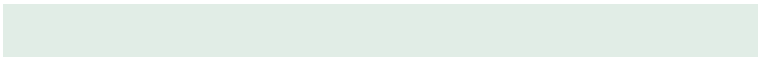
 42.4870, 65.5222,  
71.1726

 41.5980, 65.1089,  
69.0968

# Harmonies

## Analogous

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



75.5681, 82.0961, 86.5479



75.4038, 82.0961, 90.4692



75.9365, 82.0961, 94.2082

# Triad

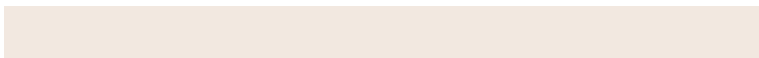
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.4038, 82.0961, 90.4692



79.6951, 82.0961, 95.5759



79.0368, 82.0961, 82.4505

# Complementary

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



75.4038, 82.0961, 90.4692



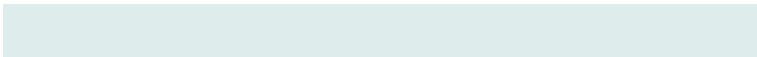
74.5039, 75.6311, 81.1964

# 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.



80.1614, 82.0961, 84.7364



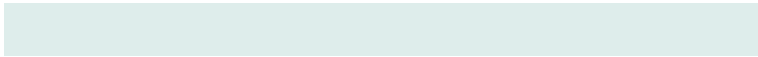
75.4038, 82.0961, 90.4692



80.5446, 82.0961, 92.2910

# Square

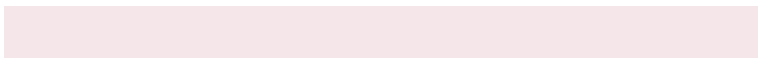
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



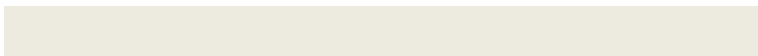
75.4038, 82.0961, 90.4692



78.4063, 82.0961, 97.2134



80.7162, 82.0961, 88.3168



77.6547, 82.0961, 81.9956

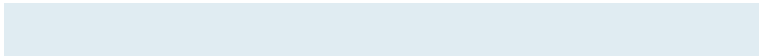


# Rectangle

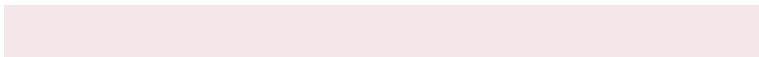
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



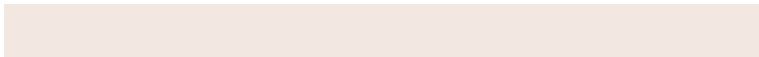
75.4038, 82.0961, 90.4692



76.6190, 82.0961, 96.0674



80.7162, 82.0961, 88.3168



79.4580, 82.0961, 83.0269

# Sweetspot

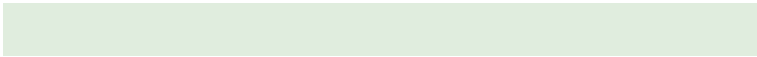
The Sweet Spot groups the original color and five complimentary colors.



75.4061, 82.0996, 90.4710



93.0890, 99.0017, 108.2369



74.2895, 81.7331, 80.9692



19.9454, 21.2009, 23.1742



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

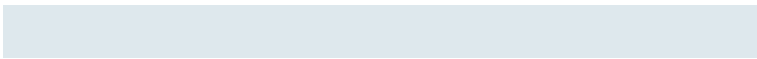
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.4061, 82.0996, 90.4710



87.5034, 96.1599, 106.2735



74.1991, 79.2195, 91.5050



15.4261, 17.0853, 18.9266



22.6089, 35.4980, 37.5012



1.7994, 2.7971, 3.0712

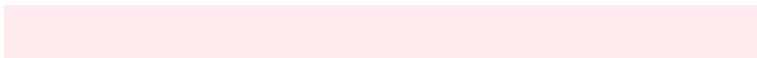


# Inverse Universe

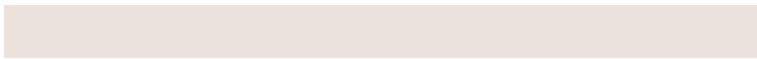
The Inverse Universe completely reimagines the original color for something new.



74.5039, 75.6311, 81.1964



86.1674, 86.5813, 92.5397



75.6502, 78.3562, 80.2456



15.1474, 15.0868, 16.0613



19.2345, 9.8965, 1.7703

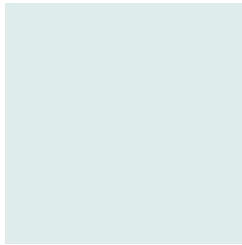


1.5365, 0.7875, 0.2764



# Previews

## White Background



This preview shows how the XYZ color 75.4038, 82.0961, 90.4692 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

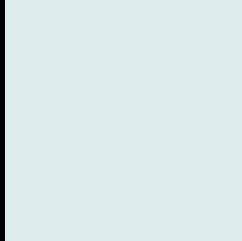
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.4038, 82.0961, 90.4692 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

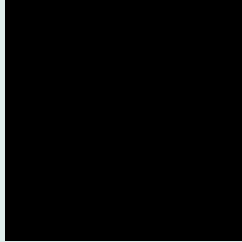
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

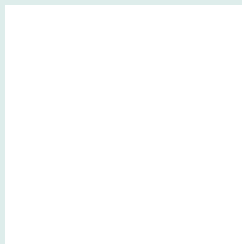
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.4038, 82.0961, 90.4692

## Background



This preview shows how black text looks on a background with the XYZ color 75.4038, 82.0961, 90.4692.



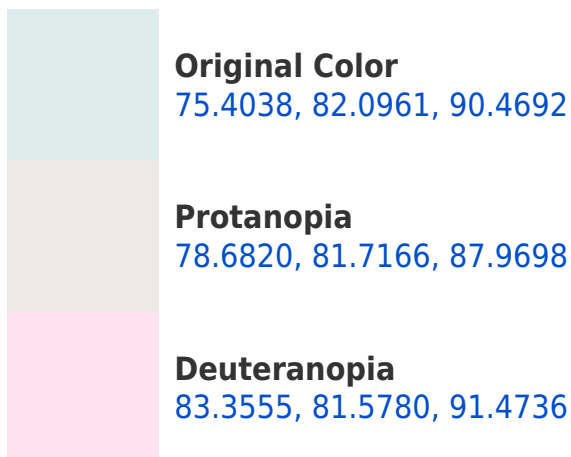
This preview shows how white text looks on a background with the XYZ color 75.4038, 82.0961,

90.4692.

# 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

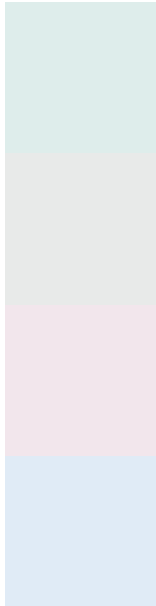




## Tritanopia

78.2038, 81.9450, 104.6237

# Trichromacy



## Original Color

75.4038, 82.0961, 90.4692

## Protanomaly

77.4095, 81.8846, 88.8162

## Deuteranomaly

80.0551, 81.5270, 90.8738

## Tritanomaly

77.0834, 81.9178, 98.9378

# Monochromacy



## Original Color

75.4038, 82.0961, 90.4692

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.1257, 81.2228, 88.7561

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.4038, 82.0961, 90.4692 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, 237, 235)` looks like.

```
.text, #text, p{  
    color:rgb(222, 237, 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(222, 237, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 237, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 75.4038, 82.0961, 90.4692 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, 237, 235) }
```



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

```
.border{ border-color:rgb(222, 237, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 237, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 237, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 237, 235);  
box-shadow:4px 4px 4px 4px rgb(222, 237,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.4038, 82.0961, 90.4692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 237, 235) }
```

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

```
.background{ background-color: rgb(222,  
237, 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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