

# Converting Colors

XYZ(75.6732, 82.1336, 91.8599)

Have a look what the booklet for  
XYZ(75.6732, 82.1336, 91.8599)  
contains.

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# Color

**XYZ(75.6944, 82.2124,  
91.9998)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEEDED
RGB	222, 237, 237
RGB Percent	87%, 93%, 93%
CMY	0.1294, 0.0706, 0.0706
CMYK	0.06, 0.00, 0.00, 0.07
HSL	180°, 29%, 90%
HSV	180°, 6%, 93%
XYZ	75.6944, 82.2124, 91.9998
YIQ	232.5150, -8.9400, -3.1800

# Conversions

## Conversions Part 2

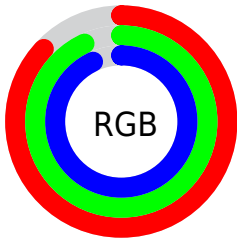
Format	Color
R <sub>Y</sub> B	222, 230, 237
Decimal	14609901
CIE Lab	92.67, -4.94, -1.72
CIE LCh	93, 5.229, 199.174
Yxy	82.2124, 0.3029, 0.3290
Android (android.graphics.Color)	4292799981 (0xFFDEEDED)
YUV	232.5150, 2.2111, -9.2217
Hunter-Lab	90.6711, -9.6582, 3.3109

# Details

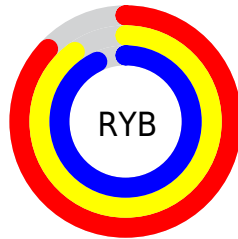
The XYZ color **75.6944, 82.2124, 91.9998** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.2341, 75.5231, 79.7759**, and the grayscale version is **77.0784, 81.0924, 88.3097**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8007, 44.5994, 50.1742** is the 20% darker color. If you saturate the color by 10%, you get **68.9393, 78.7324, 91.6808**, and if you desaturate by 10%, it is **83.4746, 86.2254, 92.3702**.

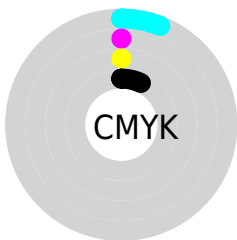
# Distribution



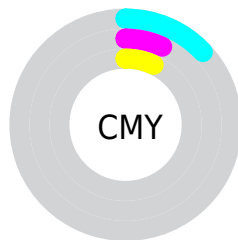
- Red (87%)
- Green (93%)
- Blue (93%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.6944, 82.2124, 91.9998 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 75.6944, 82.2124, 91.9998 by changing the saturation by 10% instead.



■ 75.6944, 82.2124,  
91.9998

■ 75.6944, 82.2124,  
91.9998

469.2614,  
502.3579, 555.2520

■ 56.4781, 61.5406,  
69.0574

126.2775,  
136.4718, 152.0728

■ 40.8249, 44.6616,  
50.2864

158.3750,  
170.8283, 190.0405

■ 28.3694, 31.1910,  
35.2683

195.4970,  
210.5150, 233.8538

■ 18.7461, 20.7443,  
23.5844

238.0088,  
255.9165, 283.9311

■ 11.5899, 12.9372,  
14.8163

286.2758,  
307.4172, 340.6911

■ 6.5353, 7.3853,  
8.5454

340.6634,

■ 3.2169, 3.7042,

365.4014, 404.5521

4.3531

401.5368,  
430.2535, 475.9329

■ 1.2695, 1.5095,  
1.8210

■ 0.1602, 0.2954,  
0.4417

■ 75.6944, 82.2124,  
91.9998

■ 75.6944, 82.2124,  
91.9998

■ 68.9393, 78.7324,  
91.6808

■ 83.4746, 86.2254,  
92.3702

■ 63.1600, 75.7531,  
91.4058


■ 86.8138, 87.9467,  
92.5310


■ 58.3134, 73.2547,  
91.1744


■ 86.8147, 87.9471,  
92.5356

■ 54.3507, 71.2120,  
90.9844


■ 86.8156, 87.9474,  
92.5402


 51.2186, 69.5974,  
90.8332


 86.8164, 87.9478,  
92.5449


 48.8581, 68.3806,  
90.7182


 86.8173, 87.9481,  
92.5495


 47.2023, 67.5272,  
90.6361

 86.8182, 87.9485,  
92.5541

 46.1731, 66.9967,  
90.5834

 86.8191, 87.9488,  
92.5587

 45.6730, 66.7390,  
90.5554

 86.8199, 87.9492,  
92.5633

# Harmonies

## Analogous

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



75.5979, 82.2124, 88.1149



75.6944, 82.2124, 91.9998



76.4419, 82.2124, 95.3078

# Triad

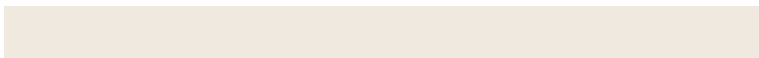
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.6944, 82.2124, 91.9998



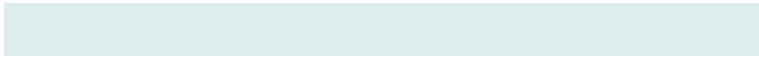
80.1376, 82.2124, 94.5055



78.6330, 82.2124, 82.3533

# Complementary

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



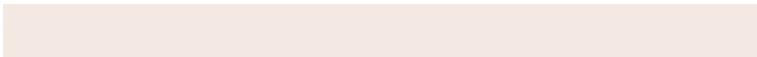
75.6944, 82.2124, 91.9998



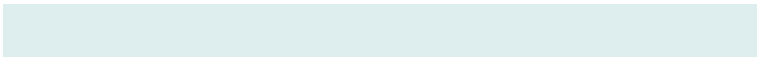
74.2341, 75.5231, 79.7759

# 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.



79.8639, 82.2124, 83.9625



75.6944, 82.2124, 91.9998



80.7393, 82.2124, 90.9305

# Square

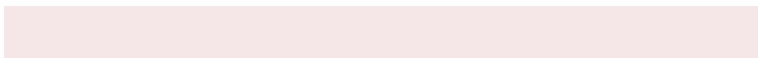
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6944, 82.2124, 91.9998



79.0032, 82.2124, 96.7832



80.6386, 82.2124, 87.0760



77.2840, 82.2124, 82.6207

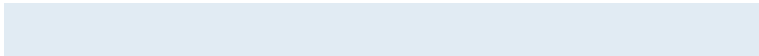


# Rectangle

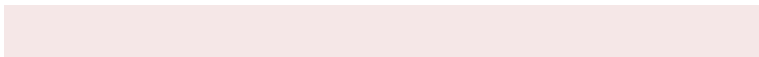
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



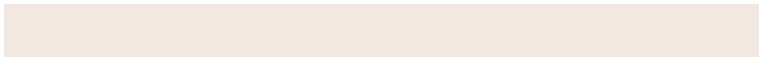
75.6944, 82.2124, 91.9998



77.2136, 82.2124, 96.7054



80.6386, 82.2124, 87.0760



79.0746, 82.2124, 82.6908

# Sweetspot

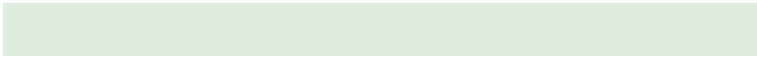
The Sweet Spot groups the original color and five complimentary colors.



75.6967, 82.2159, 92.0016



93.1983, 99.0454, 108.8123



73.6721, 81.4149, 80.9401



19.9677, 21.2098, 23.2912



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

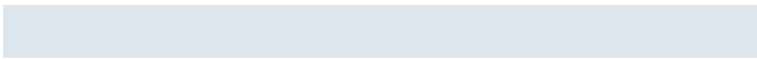
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.6967, 82.2159, 92.0016



87.9382, 96.3338, 108.5628



73.6398, 78.1012, 91.3187



15.5176, 17.1218, 19.4083



24.8750, 36.4045, 49.4341

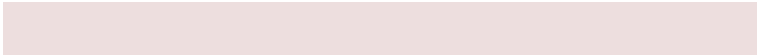


1.9533, 2.8586, 3.8820



# Inverse Universe

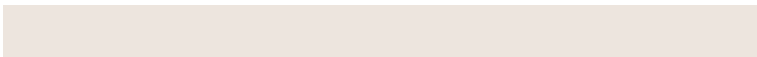
The Inverse Universe completely reimagines the original color for something new.



74.2341, 75.5231, 79.7759



85.7723, 86.4232, 90.4592



76.2014, 79.4585, 80.4291



15.0657, 15.0541, 15.6312



19.0680, 9.8299, 0.8937

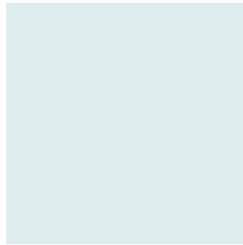


1.4974, 0.7719, 0.0705



# Previews

## White Background



This preview shows how the XYZ color 75.6944, 82.2124, 91.9998 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

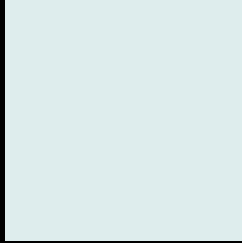
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.6944, 82.2124, 91.9998 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

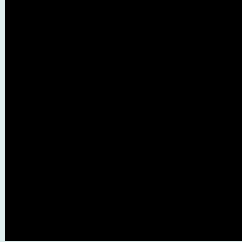
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

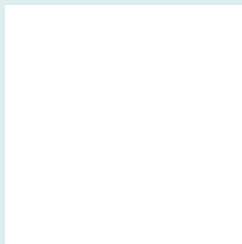
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.6944, 82.2124, 91.9998**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.6944, 82.2124, 91.9998.



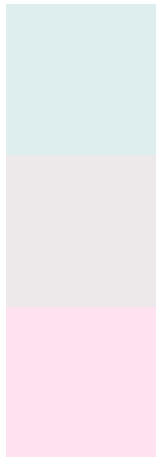
This preview shows how white text looks on a background with the XYZ color 75.6944, 82.2124,

91.9998.

# 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

75.6944, 82.2124, 91.9998

### Protanopia

78.9152, 82.2229, 89.5532

### Deuteranopia

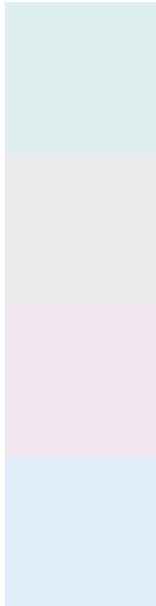
83.6494, 81.6955, 93.0214



## Tritanopia

78.4893, 82.5161, 104.7189

# Trichromacy



## Original Color

75.6944, 82.2124, 91.9998

## Protanomaly

77.6969, 81.9996, 90.3297

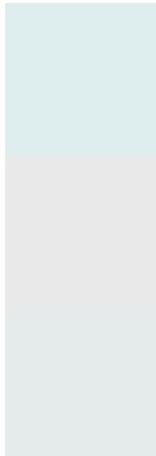
## Deuteranomaly

80.3474, 81.6439, 92.4130

## Tritanomaly

77.5244, 82.5536, 99.8442

# Monochromacy



## Original Color

75.6944, 82.2124, 91.9998

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

76.5872, 81.4442, 89.5256

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.6944, 82.2124, 91.9998 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, 237)` looks like.

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

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

## Border

The CSS property to change the border of an element to XYZ 75.6944, 82.2124, 91.9998 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, 237) }
```



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

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

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, 237) colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to XYZ 75.6944, 82.2124, 91.9998 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, 237) }
```

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

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