

# Converting Colors

XYZ(73.6808, 78.6384, 91.4161)

Have a look what the booklet for  
XYZ(73.6808, 78.6384, 91.4161)  
contains.

<b>XYZ(73.6808, 78.6384, 91.4161)</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(73.6808, 78.6384,  
91.4161)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDE7ED
RGB	221, 231, 237
RGB Percent	87%, 91%, 93%
CMY	0.1333, 0.0941, 0.0706
CMYK	0.07, 0.03, 0.00, 0.07
HSL	202°, 31%, 90%
HSV	202°, 7%, 93%
XYZ	73.6808, 78.6384, 91.4161
YIQ	228.6940, -7.8860, -0.2540

# Conversions

## Conversions Part 2

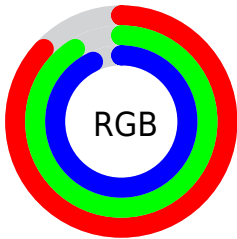
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	221, 227, 237
Decimal	14542829
CIE <sub>Lab</sub>	91.07, -2.20, -4.07
CIE <sub>LCh</sub>	91, 4.627, 241.646
Yxy	78.6384, 0.3023, 0.3226
Android (android.graphics.Color)	4292732909 (0xFFDDE7ED)
YUV	228.6940, 4.0949, -6.7476
Hunter-Lab	88.6783, -6.8754, 0.9543

# Details

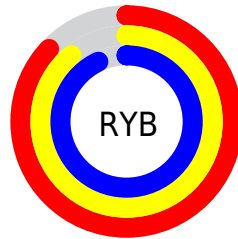
The XYZ color **73.6808, 78.6384, 91.4161** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.4456, 78.1626, 79.5185**, and the grayscale version is **74.2283, 78.0939, 85.0443**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.3963, 42.1031, 49.7664** is the 20% darker color. If you saturate the color by 10%, you get **64.5453, 70.3334, 90.2958**, and if you desaturate by 10%, it is **83.9657, 87.7275, 92.6296**.

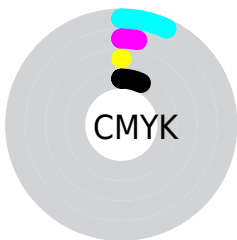
# Distribution



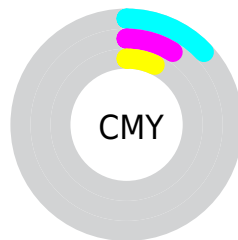
- Red (87%)
- Green (91%)
- Blue (93%)



- Red (87%)
- Yellow (89%)
- Blue (93%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)



- Cyan (13%)
- Magenta (9%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6808, 78.6384, 91.4161 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 73.6808, 78.6384, 91.4161 by changing the saturation by 10% instead.



■ 73.6808, 78.6384,  
91.4161

■ 73.6808, 78.6384,  
91.4161

462.4383,  
490.3322, 553.3152

■ 54.8232, 58.5986,  
68.5754

123.4411,  
131.4497, 151.2565

■ 39.4935, 42.2900,  
49.8964

155.0746,  
164.9899, 189.0934

■ 27.3263, 29.3285,  
34.9605

191.6973,  
203.7990, 232.7660

■ 17.9563, 19.3294,  
23.3491

233.6748,  
248.2615, 282.6930

■ 11.0181, 11.9086,  
14.6438

281.3722,  
298.7616, 339.2929

■ 6.1464, 6.6814,  
8.4259

335.1551,

■ 2.9758, 3.2637,

355.6839, 402.9842

4.2770

395.3886,  
419.4126, 474.1854

■ 1.1410, 1.2709,  
1.7785

■ 0.0590, 0.1185,  
0.4137

■ 73.6808, 78.6384,  
91.4161

■ 73.6808, 78.6384,  
91.4161

■ 64.5453, 70.3334,  
90.2958

■ 83.9657, 87.7275,  
92.6296

■ 56.5080, 62.7770,  
89.2609

■ 90.3309, 94.9838,  
93.6947

■ 49.5239, 55.9453,  
88.3103

■ 92.2863, 98.8945,  
94.3465

■ 43.5420, 49.8091,  
87.4412

■ 38.5069, 44.3369,  
86.6503

■ 34.3571, 39.4941,  
85.9343

■ 31.0234, 35.2417,  
85.2892

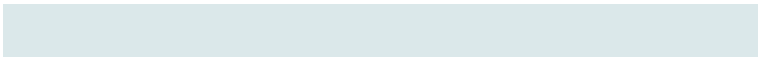
■ 28.4249, 31.5349,  
84.7107

■ 26.4595, 28.3179,  
84.1933

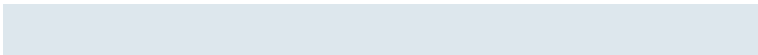
# Harmonies

## Analogous

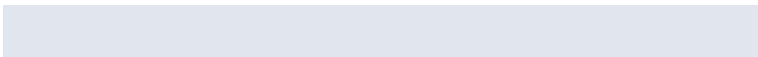
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.8458, 78.6384, 89.0467



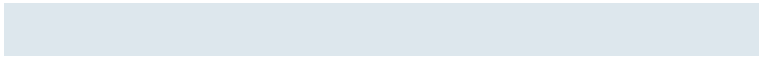
73.6808, 78.6384, 91.4161



74.8081, 78.6384, 92.2226

# Triad

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



73.6808, 78.6384, 91.4161



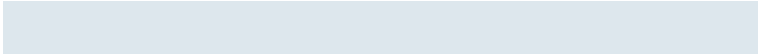
77.0133, 78.6384, 85.4390



73.5700, 78.6384, 80.2586

# Complementary

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



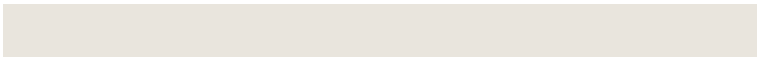
73.6808, 78.6384, 91.4161



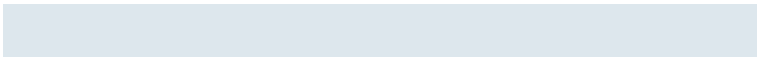
75.4456, 78.1626, 79.5185

# Split Complementary

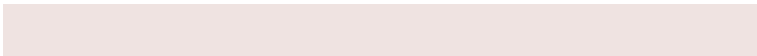
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.6789, 78.6384, 79.3476



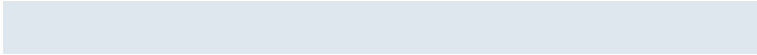
73.6808, 78.6384, 91.4161



76.6738, 78.6384, 82.2898

# Square

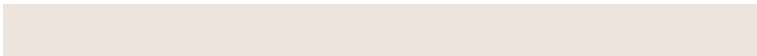
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.6808, 78.6384, 91.4161



76.7395, 78.6384, 88.7183



75.8162, 78.6384, 80.0816

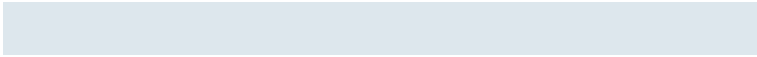


72.7823, 78.6384, 82.6022



# Rectangle

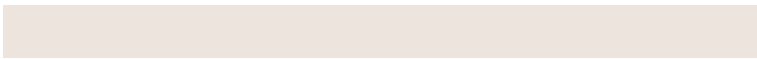
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.6808, 78.6384, 91.4161



75.5758, 78.6384, 91.7491



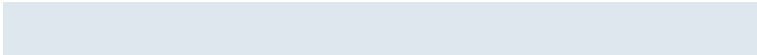
75.8162, 78.6384, 80.0816



73.9172, 78.6384, 79.7775

# Sweetspot

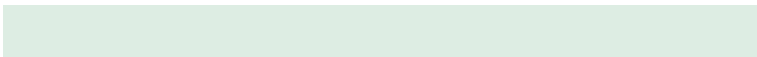
The Sweet Spot groups the original color and five complimentary colors.



73.6831, 78.6417, 91.4178



92.5918, 97.8320, 108.6111



73.9510, 81.4805, 84.4076



19.8442, 20.9629, 23.2503



0.0000, 0.0000, 0.0000

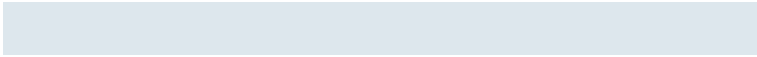


20.3446, 21.4041, 23.3091



# Same Dimension

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



73.6831, 78.6417, 91.4178



85.5483, 91.5527, 107.7703



71.5295, 74.3346, 90.7000



15.0158, 16.1181, 19.2419



14.2726, 15.1922, 45.9231



1.2126, 1.3767, 3.6367



# Inverse Universe

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



75.2071, 75.4886, 86.2121



87.6772, 87.1852, 100.4901



77.6476, 82.5666, 80.2525



15.4615, 15.2125, 17.7158



22.0594, 11.0265, 16.6462

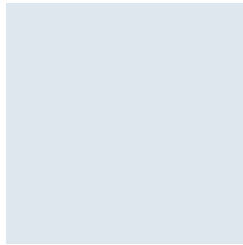


1.7786, 0.8844, 1.5513



# Previews

## White Background



This preview shows how the XYZ color 73.6808, 78.6384, 91.4161 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

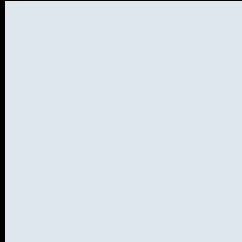
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.6808, 78.6384, 91.4161 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

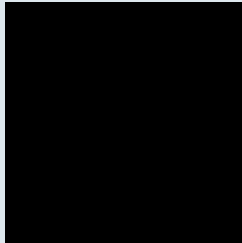
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

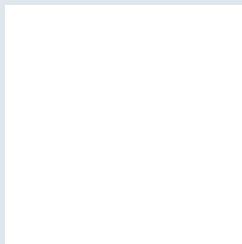
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.6808, 78.6384, 91.4161**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.6808, 78.6384, 91.4161.



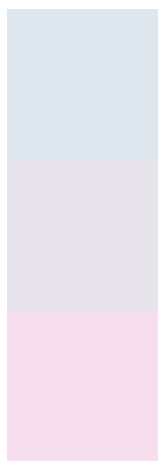
This preview shows how white text looks on a background with the XYZ color 73.6808, 78.6384,

91.4161.

# 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

73.6808, 78.6384, 91.4161

### Protanopia

75.6938, 78.4739, 89.7547

### Deuteranopia

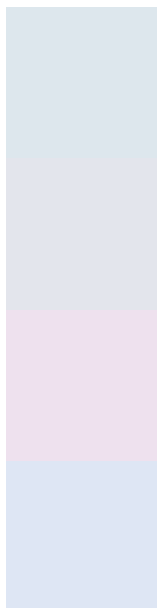
80.0590, 78.2487, 92.5453



## Tritanopia

75.3940, 78.5039, 99.9860

# Trichromacy



## Original Color

73.6808, 78.6384, 91.4161

## Protanomaly

74.8382, 78.4256, 90.5501

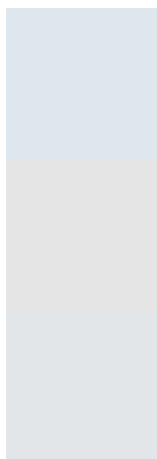
## Deuteranomaly

77.6177, 78.2006, 91.8923

## Tritanomaly

74.7501, 78.6549, 96.8301

# Monochromacy



## Original Color

73.6808, 78.6384, 91.4161

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

74.2263, 78.5886, 87.6009

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.6808, 78.6384, 91.4161 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(221, 231, 237)` looks like.

```
.text, #text, p{  
    color:rgb(221, 231, 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(221, 231, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 231, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 73.6808, 78.6384, 91.4161 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(221, 231, 237) }
```



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

```
.border{ border-color:rgb(221, 231, 237) }
```

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

Here you see how a box with a 4 pixel rgb(221, 231, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 231, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 231, 237);  
box-shadow:4px 4px 4px 4px rgb(221, 231,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.6808, 78.6384, 91.4161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 231, 237) }
```

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

```
.background{ background-color: rgb(221,  
231, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor