

# Converting Colors

XYZ(74.0413, 81.1349, 91.4704)

Have a look what the booklet for  
XYZ(74.0413, 81.1349, 91.4704)  
contains.

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# Color

**XYZ(73.7510, 80.7987,  
91.0655)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9ECEC
RGB	217, 236, 236
RGB Percent	85%, 93%, 93%
CMY	0.1490, 0.0745, 0.0745
CMYK	0.08, 0.00, 0.00, 0.07
HSL	180°, 33%, 89%
HSV	180°, 8%, 93%
XYZ	73.7510, 80.7987, 91.0655
YIQ	230.3190, -11.3240, -4.0280

# Conversions

## Conversions Part 2

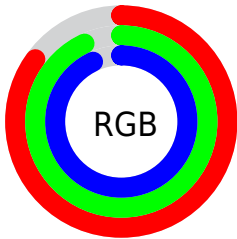
Format	Color
<a href="#">RYB</a>	<a href="#">217, 227, 236</a>
Decimal	<a href="#">14281964</a>
CIELab	<a href="#">92.04, -6.24, -2.16</a>
CIElCh	<a href="#">92, 6.602, 199.057</a>
Yxy	<a href="#">80.7987, 0.3003, 0.3290</a>
Android (android.graphics.Color)	<a href="#">4292472044</a> ( <a href="#">0xFFD9ECEC</a> )
YUV	<a href="#">230.3190, 2.8007, -11.6808</a>
Hunter-Lab	<a href="#">89.8881, -10.8493, 2.8551</a>

# Details

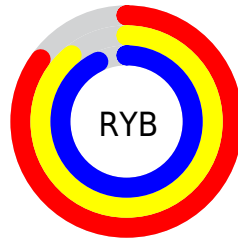
The XYZ color **73.7510, 80.7987, 91.0655** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.9322, 72.4704, 75.8462**, and the grayscale version is **75.4378, 79.3664, 86.4300**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.4598, 43.6192, 49.5196** is the 20% darker color. If you saturate the color by 10%, you get **67.2316, 77.4401, 90.7587**, and if you desaturate by 10%, it is **81.2782, 84.6812, 91.4228**.

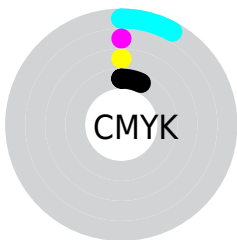
# Distribution



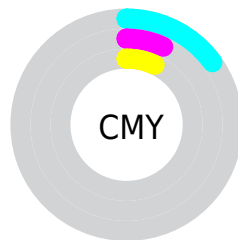
- Red (85%)
- Green (93%)
- Blue (93%)



- Red (85%)
- Yellow (89%)
- Blue (93%)



- Cyan (8%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (15%)
- Magenta (7%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.7510, 80.7987, 91.0655 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 73.7510, 80.7987, 91.0655 by changing the saturation by 10% instead.



73.7510, 80.7987,  
91.0655

73.7510, 80.7987,  
91.0655

462.6771,  
497.6204, 552.1501

54.8808, 60.3758,  
68.2860

123.5402,  
134.4881, 150.7660

39.5398, 43.7216,  
49.6623

155.1899,  
168.5234, 188.5240

27.3625, 30.4517,  
34.7759

191.8301,  
207.8649, 232.1120

17.9837, 20.1817,  
23.2081

233.8263,  
252.8971, 281.9485

11.0379, 12.5272,  
14.5405

281.5437,  
304.0044, 338.4520

6.1598, 7.1038,  
8.3545

335.3478,

2.9841, 3.5271,

361.5711, 402.0411

4.2316

395.6038,  
425.9817, 473.1343

■ 1.1453, 1.4127,  
1.7532

■ 0.0625, 0.2261,  
0.3968

■ 73.7510, 80.7987,  
91.0655

■ 73.7510, 80.7987,  
91.0655

■ 67.2316, 77.4401,  
90.7587

■ 81.2782, 84.6812,  
91.4228

■ 61.6708, 74.5735,  
90.4952


■ 86.3788, 87.3106,  
91.6648


■ 57.0253, 72.1787,  
90.2744


■ 86.3794, 87.3109,  
91.6682

■ 53.2462, 70.2306,  
90.0943


■ 86.3801, 87.3111,  
91.6715


 50.2798, 68.7014,  
89.9521


 86.3807, 87.3114,  
91.6749


 48.0666, 67.5606,  
89.8452


 86.3813, 87.3116,  
91.6783


 46.5388, 66.7730,  
89.7704

 86.3820, 87.3119,  
91.6816

 45.6167, 66.2977,  
89.7239

 86.3826, 87.3122,  
91.6850

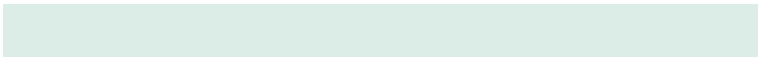
 45.1893, 66.0775,  
89.7005

 86.3833, 87.3124,  
91.6883

# Harmonies

## Analogous

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



73.6346, 80.7987, 86.2124



73.7510, 80.7987, 91.0655



74.6764, 80.7987, 95.2320

# Triad

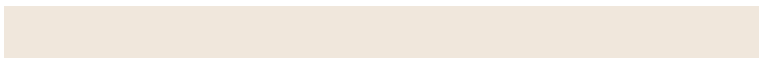
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.7510, 80.7987, 91.0655



79.2902, 80.7987, 94.2488



77.4184, 80.7987, 79.1086

# Complementary

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



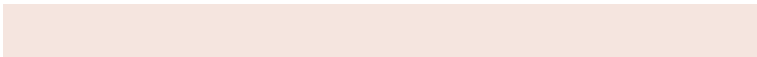
73.7510, 80.7987, 91.0655



71.9322, 72.4704, 75.8462

# 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.



78.9569, 80.7987, 81.0983



73.7510, 80.7987, 91.0655



80.0481, 80.7987, 89.7635

# Square

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



73.7510, 80.7987, 91.0655



77.8680, 80.7987, 97.1162



79.9252, 80.7987, 84.9573



75.7353, 80.7987, 79.4282

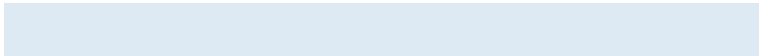


# Rectangle

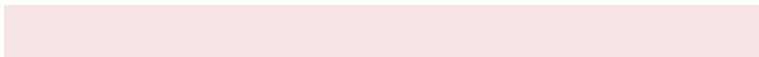
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.7510, 80.7987, 91.0655



75.6353, 80.7987, 97.0038



79.9252, 80.7987, 84.9573



77.9700, 80.7987, 79.5266

# Sweetspot

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



73.7533, 80.8021, 91.0673



93.1984, 99.0455, 108.8125



71.2316, 79.8043, 77.2963



19.9677, 21.2098, 23.2913



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

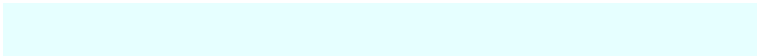


# Same Dimension

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



73.7533, 80.8021, 91.0673



86.2821, 95.4801, 108.4857



71.1768, 75.6483, 90.2110



15.5176, 17.1219, 19.4086



24.8762, 36.4050, 49.4406



1.9534, 2.8587, 3.8825

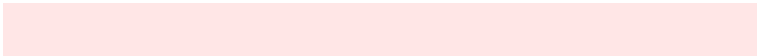


# Inverse Universe

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



71.9322, 72.4704, 75.8462



83.6113, 83.2611, 86.1630



74.3656, 77.3379, 76.6551



15.0656, 15.0541, 15.6310



19.0680, 9.8299, 0.8933

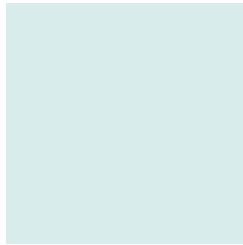


1.4973, 0.7719, 0.0704



# Previews

## White Background



This preview shows how the XYZ color 73.7510, 80.7987, 91.0655 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

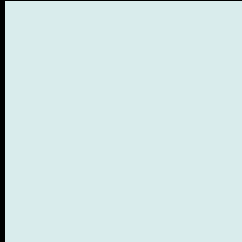
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.7510, 80.7987, 91.0655 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

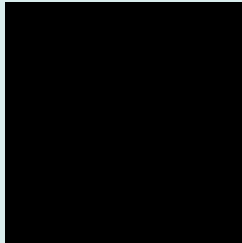
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

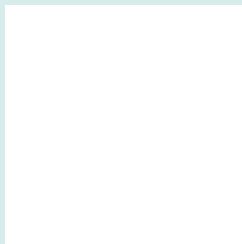
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.7510, 80.7987, 91.0655**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.7510, 80.7987, 91.0655.



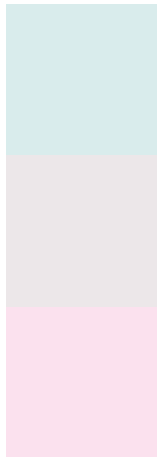
This preview shows how white text looks on a background with the XYZ color 73.7510, 80.7987,



# 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

73.7510, 80.7987, 91.0655

### Protanopia

77.8760, 80.8679, 88.5954

### Deuteranopia

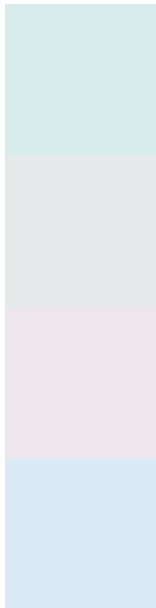
82.1415, 80.5327, 92.1040



## **Tritanopia**

76.5087, 81.0896, 103.7149

# Trichromacy



## Original Color

73.7510, 80.7987, 91.0655

## Protanomaly

76.3033, 80.8764, 89.4310

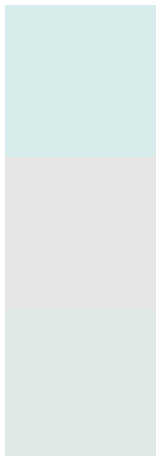
## Deuteranomaly

78.9020, 80.5038, 91.5010

## Tritanomaly

75.5563, 81.1306, 98.8663

# Monochromacy



## Original Color

73.7510, 80.7987, 91.0655

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

74.4734, 79.5470, 87.7729

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.7510, 80.7987, 91.0655 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(217, 236, 236)` looks like.

```
.text, #text, p{  
    color:rgb(217, 236, 236)  
}
```

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(217, 236, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 236, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 73.7510, 80.7987, 91.0655 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(217, 236, 236) }
```



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

```
.border{ border-color:rgb(217, 236, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 236, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 236, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 236, 236);  
box-shadow:4px 4px 4px 4px rgb(217, 236,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.7510, 80.7987, 91.0655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 236, 236) }
```

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

```
.background{ background-color: rgb(217,  
236, 236) }
```

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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