

# Converting Colors

XYZ(73.2060, 80.7821, 91.5847)

Have a look what the booklet for  
XYZ(73.2060, 80.7821, 91.5847)  
contains.

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# Color

**XYZ(73.3018, 80.9789,  
91.8878)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6EDED
RGB	214, 237, 237
RGB Percent	84%, 93%, 93%
CMY	0.1608, 0.0706, 0.0706
CMYK	0.10, 0.00, 0.00, 0.07
HSL	180°, 39%, 88%
HSV	180°, 10%, 93%
XYZ	73.3018, 80.9789, 91.8878
YIQ	230.1230, -13.7080, -4.8760

# Conversions

## Conversions Part 2

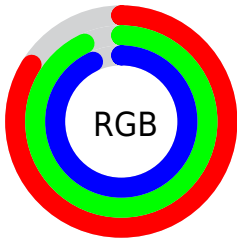
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 226, 237
Decimal	14085613
CIE <sub>Lab</sub>	92.12, -7.52, -2.58
CIE <sub>LCh</sub>	92, 7.951, 198.953
Yxy	80.9789, 0.2978, 0.3290
Android (android.graphics.Color)	4292275693 (0xFFD6EDED)
YUV	230.1230, 3.3904, -14.1399
Hunter-Lab	89.9883, -12.0786, 2.4503

# Details

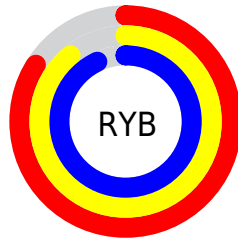
The XYZ color **73.3018, 80.9789, 91.8878** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.1122, 70.9549, 73.5697**, and the grayscale version is **75.2897, 79.2106, 86.2604**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.1624, 43.7549, 50.0975** is the 20% darker color. If you saturate the color by 10%, you get **66.8820, 77.6717, 91.5863**, and if you desaturate by 10%, it is **80.7326, 84.8118, 92.2400**.

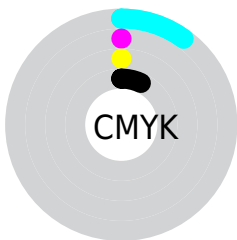
# Distribution



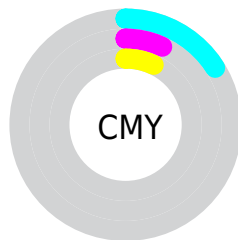
- Red (84%)
- Green (93%)
- Blue (93%)



- Red (84%)
- Yellow (89%)
- Blue (93%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (16%)
- Magenta (7%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.3018, 80.9789, 91.8878 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 73.3018, 80.9789, 91.8878 by changing the saturation by 10% instead.



73.3018, 80.9789,  
91.8878

73.3018, 80.9789,  
91.8878

461.1477,  
498.2257, 554.8806

54.5120, 60.5242,  
68.9649

122.9064,  
134.7411, 151.9162

39.2435, 43.8413,  
50.2116

154.4519,  
168.8175, 189.8589

27.1308, 30.5458,  
35.2092

190.9801,  
208.2032, 233.6452

17.8085, 20.2532,  
23.5392

232.8562,  
253.2826, 283.6937

10.9115, 12.5792,  
14.7831

280.4457,  
304.4402, 340.4229

6.0742, 7.1395,  
8.5224

334.1139,

2.9313, 3.5495,

362.0603, 404.2515

4.3385

394.2261,  
426.5273, 475.5979

■ 1.1176, 1.4249,  
1.8128

■ 0.0397, 0.2350,  
0.4364

■ 73.3018, 80.9789,  
91.8878

■ 73.3018, 80.9789,  
91.8878

■ 66.8820, 77.6717,  
91.5863

■ 80.7326, 84.8118,  
92.2400

■ 61.4231, 74.8575,  
91.3281


■ 86.8130, 87.9463,  
92.5273


■ 56.8809, 72.5160,  
91.1128


■ 86.8135, 87.9465,  
92.5301


■ 53.2051, 70.6211,  
90.9380

■ 86.8141, 87.9467,  
92.5328


 50.3407, 69.1445,  
90.8012


 86.8146, 87.9469,  
92.5356


 48.2263, 68.0546,  
90.6995


 86.8151, 87.9471,  
92.5384


 46.7918, 67.3151,  
90.6296

 86.8156, 87.9473,  
92.5412

 45.9540, 66.8833,  
90.5877

 86.8162, 87.9475,  
92.5439

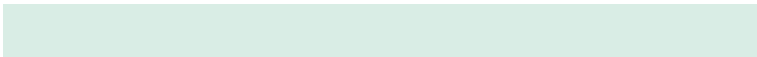
 45.5760, 66.6884,  
90.5672

 86.8167, 87.9477,  
92.5467

# Harmonies

## Analogous

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



73.1658, 80.9789, 86.0279



73.3018, 80.9789, 91.8878



74.4098, 80.9789, 96.9580

# Triad

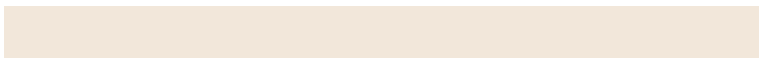
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.3018, 80.9789, 91.8878



79.9775, 80.9789, 95.7908



77.7254, 80.9789, 77.5557

# Complementary

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



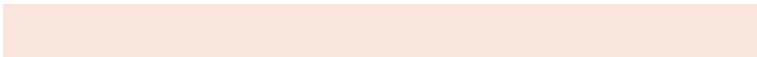
73.3018, 80.9789, 91.8878



71.1122, 70.9549, 73.5697

# 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.



79.5842, 80.9789, 79.9339



73.3018, 80.9789, 91.8878



80.8997, 80.9789, 90.3519

# Square

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



73.3018, 80.9789, 91.8878



78.2547, 80.9789, 99.2796



80.7545, 80.9789, 84.5582



75.6955, 80.9789, 77.9259



# Rectangle

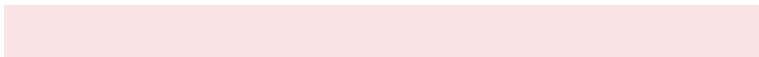
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



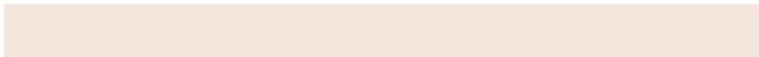
73.3018, 80.9789, 91.8878



75.5618, 80.9789, 99.1270



80.7545, 80.9789, 84.5582



78.3915, 80.9789, 78.0559

# Sweetspot

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



73.3041, 80.9823, 91.8896



92.2911, 98.5778, 108.7699



70.2677, 79.7807, 75.3154



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.



73.3041, 80.9823, 91.8896



84.6738, 94.6510, 108.4105



70.1846, 74.7424, 90.8523



15.5176, 17.1219, 19.4087



24.8768, 36.4052, 49.4439



1.9535, 2.8587, 3.8827



# Inverse Universe

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



71.1122, 70.9549, 73.5697



81.5128, 80.1904, 81.9912



74.0223, 76.7760, 74.5376



15.0656, 15.0541, 15.6309



19.0679, 9.8299, 0.8932

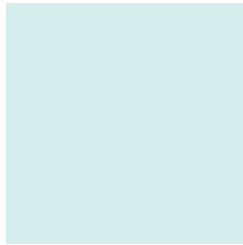


1.4973, 0.7719, 0.0703



# Previews

## White Background



This preview shows how the XYZ color 73.3018, 80.9789, 91.8878 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

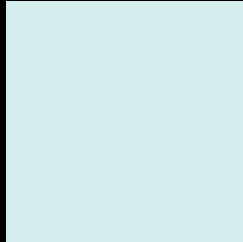
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.3018, 80.9789, 91.8878 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

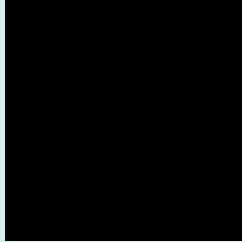
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

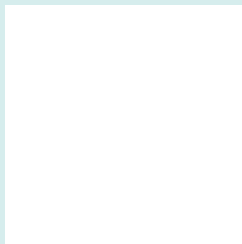
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 73.3018, 80.9789, 91.8878

## Background



This preview shows how black text looks on a background with the XYZ color 73.3018, 80.9789, 91.8878.



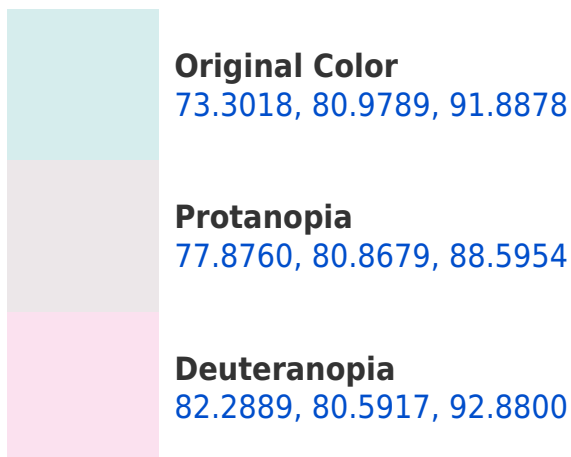
This preview shows how white text looks on a background with the XYZ color 73.3018, 80.9789,

91.8878.

# 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

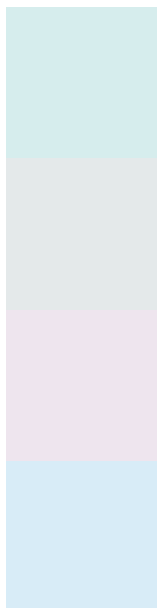




## **Tritanopia**

76.0532, 81.2602, 104.6049

# Trichromacy



## Original Color

73.3018, 80.9789, 91.8878

## Protanomaly

75.9851, 80.7123, 89.4161

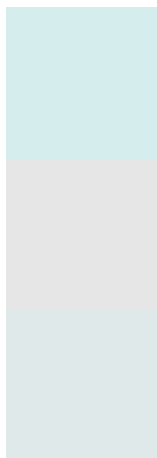
## Deuteranomaly

78.7118, 80.3888, 92.2570

## Tritanomaly

75.1029, 81.3052, 99.7308

# Monochromacy



## Original Color

73.3018, 80.9789, 91.8878

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

74.5874, 80.0083, 88.6028

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.3018, 80.9789, 91.8878 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(214, 237, 237)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 237, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 237, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 73.3018, 80.9789, 91.8878 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(214, 237, 237) }
```



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

```
.border{ border-color:rgb(214, 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(214, 237, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 237, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 237, 237);  
box-shadow:4px 4px 4px 4px rgb(214, 237,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.3018, 80.9789, 91.8878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 237, 237) }
```

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

```
.background{ background-color: rgb(214,  
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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