

# Converting Colors

XYZ(73.3854, 80.0355, 90.0351)

Have a look what the booklet for  
XYZ(73.3854, 80.0355, 90.0351)  
contains.

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# Color

**XYZ(73.6172, 80.3202,  
90.2206)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DAEBEB
RGB	218, 235, 235
RGB Percent	85%, 92%, 92%
CMY	0.1451, 0.0784, 0.0784
CMYK	0.07, 0.00, 0.00, 0.08
HSL	180°, 30%, 89%
HSV	180°, 7%, 92%
XYZ	73.6172, 80.3202, 90.2206
YIQ	229.9170, -10.1320, -3.6040

# Conversions

## Conversions Part 2

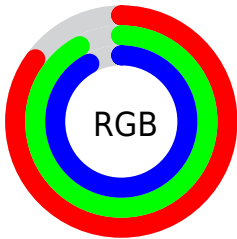
Format	Color
R <sub>Y</sub> B	218, 227, 235
Decimal	14347243
CIE Lab	91.83, -5.60, -1.94
CIE LCh	92, 5.923, 199.112
Yxy	80.3202, 0.3015, 0.3290
Android (android.graphics.Color)	4292537323 (0xFFDAEBEB)
YUV	229.9170, 2.5059, -10.4512
Hunter-Lab	89.6215, -10.2137, 3.0488

# Details

The XYZ color **73.6172, 80.3202, 90.2206** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.9902, 72.8692, 76.6043**, and the grayscale version is **75.1417, 79.0550, 86.0909**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.3610, 43.2814, 48.9274** is the 20% darker color. If you saturate the color by 10%, you get **67.0818, 76.9534, 89.9128**, and if you desaturate by 10%, it is **81.1536, 84.2075, 90.5785**.

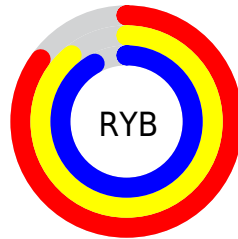
# Distribution



Red (85%)

Green (92%)

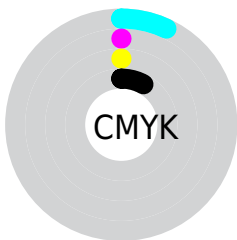
Blue (92%)



Red (85%)

Yellow (89%)

Blue (92%)

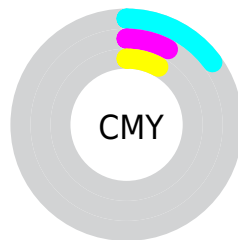


Cyan (7%)

Magenta (0%)

Yellow (0%)

Black (8%)



Cyan (15%)

Magenta (8%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6172, 80.3202, 90.2206 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 73.6172, 80.3202, 90.2206 by changing the saturation by 10% instead.



■ 73.6172, 80.3202,  
90.2206

■ 73.6172, 80.3202,  
90.2206

462.2219,  
496.0113, 549.3368

■ 54.7710, 59.9819,  
67.5889

123.3514,  
133.8158, 149.5830

■ 39.4515, 43.4040,  
49.0987

154.9701,  
167.7419, 187.1507

■ 27.2934, 30.2023,  
34.3317

191.5770,  
206.9661, 230.5342

■ 17.9315, 19.9922,  
22.8691

233.5375,  
251.8726, 280.1520

■ 11.0002, 12.3893,  
14.2925

281.2168,  
302.8461, 336.4226

■ 6.1342, 7.0094,  
8.1833

334.9804,

■ 2.9683, 3.4680,

360.2707, 399.7646

4.1230

395.1937,  
424.5310, 470.5965

■ 1.1370, 1.3807,  
1.6931

■ 0.0558, 0.2024,  
0.3560

■ 73.6172, 80.3202,  
90.2206

■ 73.6172, 80.3202,  
90.2206

■ 67.0818, 76.9534,  
89.9128

■ 81.1536, 84.2075,  
90.5785

■ 61.4989, 74.0753,  
89.6480

■ 85.9468, 86.6784,  
90.8064

■ 56.8260, 71.6664,  
89.4257

■ 85.9475, 86.6787,  
90.8101

■ 53.0149, 69.7018,  
89.2438

■ 85.9482, 86.6789,  
90.8137

50.0130, 68.1544,  
89.0997

85.9489, 86.6792,  
90.8173

47.7618, 66.9939,  
88.9908

85.9495, 86.6795,  
90.8209

46.1952, 66.1864,  
88.9139

85.9502, 86.6798,  
90.8245

45.2353, 65.6916,  
88.8654

85.9509, 86.6800,  
90.8281

44.7806, 65.4573,  
88.8405

85.9516, 86.6803,  
90.8317

# Harmonies

## Analogous

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



73.5115, 80.3202, 85.8857



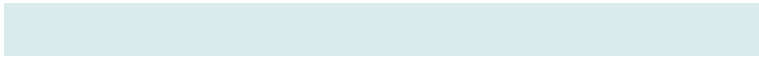
73.6172, 80.3202, 90.2206



74.4473, 80.3202, 93.9278

# Triad

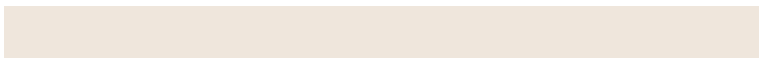
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.6172, 80.3202, 90.2206



78.5698, 80.3202, 93.0415



76.8946, 80.3202, 79.5007

# Complementary

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



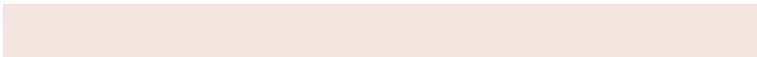
73.6172, 80.3202, 90.2206



71.9902, 72.8692, 76.6043

# 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.



78.2684, 80.3202, 81.2867



73.6172, 80.3202, 90.2206



79.2441, 80.3202, 89.0434

# Square

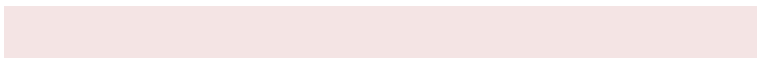
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.6172, 80.3202, 90.2206



77.3016, 80.3202, 95.5934



79.1331, 80.3202, 84.7466



75.3903, 80.3202, 79.7922

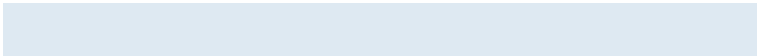


# Rectangle

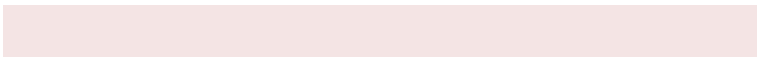
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.6172, 80.3202, 90.2206



75.3060, 80.3202, 95.4994



79.1331, 80.3202, 84.7466



77.3873, 80.3202, 79.8756

# Sweetspot

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



73.6195, 80.3236, 90.2224



93.1983, 99.0455, 108.8125



71.3638, 79.4311, 77.9016



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.



73.6195, 80.3236, 90.2224



87.1042, 95.9039, 108.5242



71.3211, 75.7259, 89.4587



15.5176, 17.1219, 19.4085



24.8759, 36.4048, 49.4390



1.9534, 2.8587, 3.8824

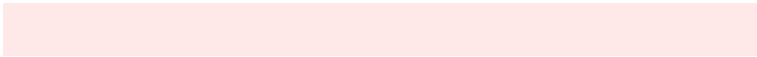


# Inverse Universe

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



71.9902, 72.8692, 76.6043



84.6839, 84.8307, 88.2953



74.1741, 77.2377, 77.3301



15.0657, 15.0541, 15.6311



19.0680, 9.8299, 0.8934

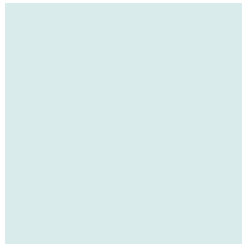


1.4973, 0.7719, 0.0704



# Previews

## White Background



This preview shows how the XYZ color 73.6172, 80.3202, 90.2206 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

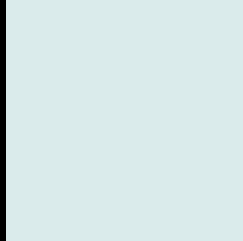
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.6172, 80.3202, 90.2206 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

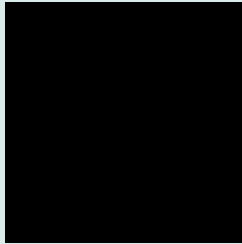
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

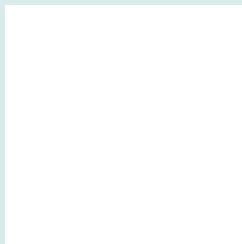
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.6172, 80.3202, 90.2206**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.6172, 80.3202, 90.2206.



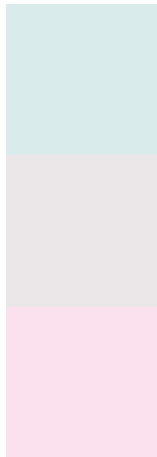
This preview shows how white text looks on a background with the XYZ color 73.6172, 80.3202,



# 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

73.6172, 80.3202, 90.2206

### Protanopia

77.1233, 80.0820, 87.7365

### Deuteranopia

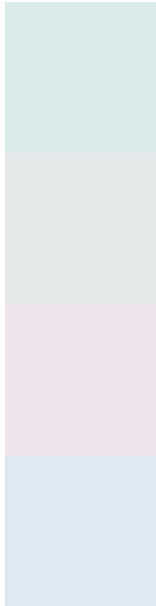
81.7254, 79.9350, 91.2424



## Tritanopia

76.3703, 80.6150, 102.8019

# Trichromacy



## Original Color

73.6172, 80.3202, 90.2206

## Protanomaly

75.8777, 80.2544, 88.5823

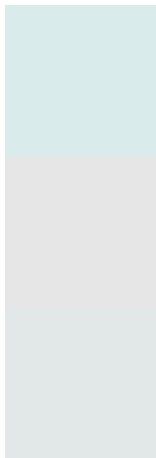
## Deuteranomaly

78.4803, 79.8937, 90.6415

## Tritanomaly

75.4194, 80.6539, 97.9789

# Monochromacy



## Original Color

73.6172, 80.3202, 90.2206

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

74.7861, 79.7082, 87.7875

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.6172, 80.3202, 90.2206 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(218, 235, 235)` looks like.

```
.text, #text, p{  
    color:rgb(218, 235, 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(218, 235, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 235, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 73.6172, 80.3202, 90.2206 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(218, 235, 235) }
```



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

```
.border{ border-color:rgb(218, 235, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 235, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 235, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 235, 235);  
box-shadow:4px 4px 4px 4px rgb(218, 235,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.6172, 80.3202, 90.2206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 235, 235) }
```

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

```
.background{ background-color: rgb(218,  
235, 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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