

Converting Colors

XYZ(73.2966, 80.2234, 89.6380)

Have a look what the booklet for
XYZ(73.2966, 80.2234, 89.6380)
contains.

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Color

**XYZ(73.1749, 80.1089,
89.4477)**

Conversions

Conversions Part 1

Format	Color
Hex	D9EBEA
RGB	217, 235, 234
RGB Percent	85%, 92%, 92%
CMY	0.1490, 0.0784, 0.0823
CMYK	0.08, 0.00, 0.00, 0.08
HSL	177°, 31%, 89%
HSV	177°, 8%, 92%
XYZ	73.1749, 80.1089, 89.4477
YIQ	229.5040, -10.4070, -4.1270

Conversions

Conversions Part 2

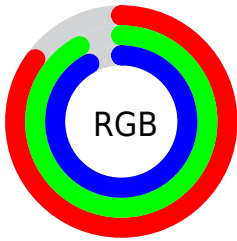
Format	Color
R _Y B	217, 226, 235
Decimal	14281706
CIE Lab	91.73, -6.11, -1.56
CIE LCh	92, 6.307, 194.363
Yxy	80.1089, 0.3015, 0.3300
Android (android.graphics.Color)	4292471786 (0xFFD9EBEA)
YUV	229.5040, 2.2165, -10.9660
Hunter-Lab	89.5036, -10.6961, 3.3995

Details

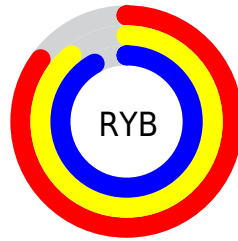
The XYZ color **73.1749, 80.1089, 89.4477** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.7317, 72.3520, 76.5182**, and the grayscale version is **74.8390, 78.7365, 85.7440**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0563, 43.1359, 48.3871** is the 20% darker color. If you saturate the color by 10%, you get **66.4941, 76.6887, 88.1577**, and if you desaturate by 10%, it is **80.8563, 84.0492, 90.7951**.

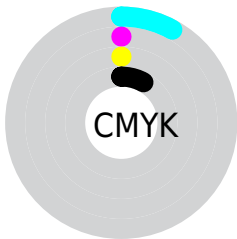
Distribution



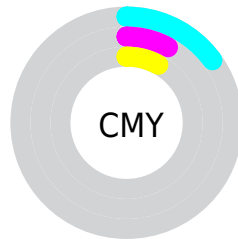
- Red (85%)
- Green (92%)
- Blue (92%)



- Red (85%)
- Yellow (89%)
- Blue (92%)



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



- Cyan (15%)
- Magenta (8%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.1749, 80.1089, 89.4477 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 73.1749, 80.1089, 89.4477 by changing the saturation by 10% instead.

73.1749, 80.1089,
89.4477

73.1749, 80.1089,
89.4477

460.7152,
495.2998, 546.7563

54.4079, 59.8080,
66.9515

122.7273,
133.5188, 148.4998

39.1598, 43.2639,
48.5839

154.2433,
167.3966, 185.8928

27.0654, 30.0922,
33.9262

190.7398,
206.5688, 229.0885

17.7592, 19.9086,
22.5600

232.5819,
251.4198, 278.5054

10.8759, 12.3286,
14.0667

280.1352,
302.3340, 334.5621

6.0501, 6.9679,
8.0278

333.7649,

2.9165, 3.4420,

359.6958, 397.6771

4.0247

393.8365,
423.8896, 468.2690

■ 1.1098, 1.3666,
1.6389

■ 0.0333, 0.1919,
0.3184

■ 73.1749, 80.1089,
89.4477

■ 73.1749, 80.1089,
89.4477

■ 66.4941, 76.6887,
88.1577

■ 80.8563, 84.0492,
90.7951

■ 60.7653, 73.7569,
86.9178


■ 86.1807, 86.7720,
92.0378


■ 55.9460, 71.2938,
85.7278


■ 86.3725, 86.8487,
93.0477


■ 51.9877, 69.2744,
84.5852


■ 86.5656, 86.9260,
94.0649


 48.8376, 67.6715,
83.4877


 86.7602, 87.0038,
95.0895


 46.4370, 66.4548,
82.4325


 86.9562, 87.0822,
96.1215


 44.7193, 65.5900,
81.4164

 87.1536, 87.1612,
97.1609

 43.6061, 65.0367,
80.4357

 87.3524, 87.2407,
98.2078

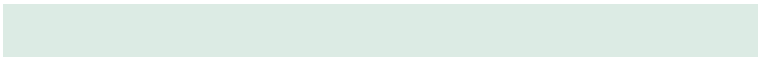
 42.9917, 64.7404,
79.4855

 87.5526, 87.3208,
99.2621

Harmonies

Analogous

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



73.1923, 80.1089, 84.8518



73.1749, 80.1089, 89.4477



73.9445, 80.1089, 93.5863

Triad

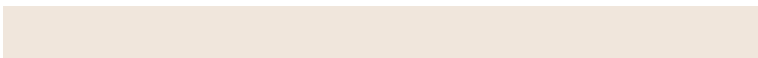
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.1749, 80.1089, 89.4477



78.3311, 80.1089, 93.7329



76.9805, 80.1089, 78.9451

Complementary

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



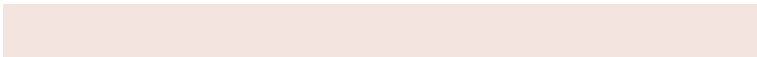
73.1749, 80.1089, 89.4477



71.7317, 72.3520, 76.5182

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.



78.3808, 80.1089, 81.1586



73.1749, 80.1089, 89.4477



79.1681, 80.1089, 89.6420

Square

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



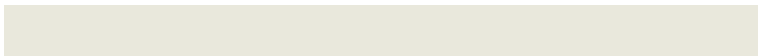
73.1749, 80.1089, 89.4477



76.9133, 80.1089, 96.1190



79.1864, 80.1089, 85.0394



75.3741, 80.1089, 78.8973

Rectangle

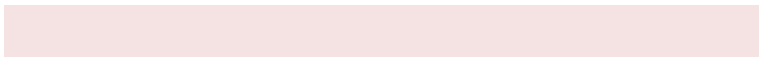
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.1749, 80.1089, 89.4477



74.8066, 80.1089, 95.4834



79.1864, 80.1089, 85.0394



77.4914, 80.1089, 79.4570

Sweetspot

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



73.1772, 80.1123, 89.4495



93.1528, 99.0272, 108.5724



71.2084, 79.3661, 77.2131



19.9584, 21.2061, 23.2424



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.



73.1772, 80.1123, 89.4495



86.8996, 95.8220, 107.4469



71.1369, 75.8002, 89.4828



15.4793, 17.1065, 19.2068



23.8806, 36.0067, 44.1978



1.8863, 2.8318, 3.5291

Inverse Universe

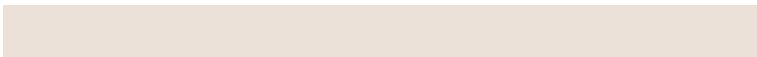
The Inverse Universe completely reimagines the original color for something new.



71.7317, 72.3520, 76.5182



84.8658, 84.9034, 89.2529



73.6594, 76.4171, 76.5147



15.0995, 15.0677, 15.8093



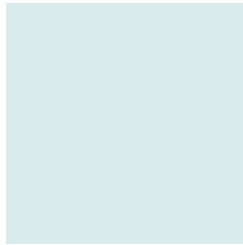
19.1231, 9.8519, 1.1836



1.5136, 0.7784, 0.1562

Previews

White Background



This preview shows how the XYZ color 73.1749, 80.1089, 89.4477 looks on a white background.

Color Contrast Check

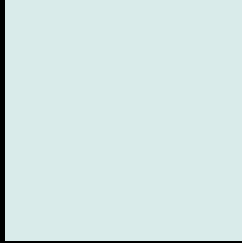
Large Text (above 18pt) WCAG AA × Fail

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 73.1749, 80.1089, 89.4477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

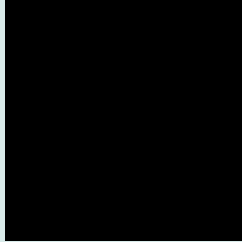
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

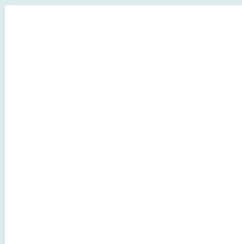
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.1749, 80.1089, 89.4477

Background



This preview shows how black text looks on a background with the XYZ color 73.1749, 80.1089, 89.4477.

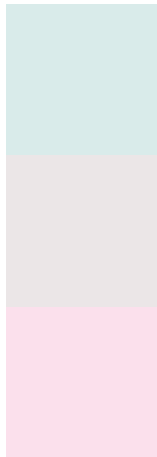


This preview shows how white text looks on a background with the XYZ color 73.1749, 80.1089,

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

73.1749, 80.1089, 89.4477

Protanopia

76.9816, 80.0253, 86.9904

Deuteranopia

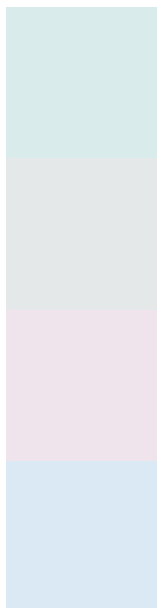
81.5796, 79.8767, 90.4749



Tritanopia

75.7844, 79.8939, 102.6936

Trichromacy



Original Color

73.1749, 80.1089, 89.4477

Protanomaly

75.4170, 80.0334, 87.8170

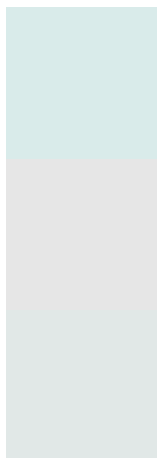
Deuteranomaly

78.3354, 79.8357, 89.8784

Tritanomaly

74.8338, 79.9305, 97.8702

Monochromacy



Original Color

73.1749, 80.1089, 89.4477

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

74.3318, 79.4903, 87.0268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.1749, 80.1089, 89.4477 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, 235, 234)` looks like.

```
.text, #text, p{  
    color:rgb(217, 235, 234)  
}
```

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, 235, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 235, 234) }
```

Border

The CSS property to change the border of an element to XYZ 73.1749, 80.1089, 89.4477 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, 235, 234) }
```


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

```
.border{ border-color:rgb(217, 235, 234) }
```

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

Here you see how a box with a 4 pixel rgb(217, 235, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 235, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 235, 234);  
box-shadow:4px 4px 4px 4px rgb(217, 235,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 73.1749, 80.1089, 89.4477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 235, 234) }
```

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

```
.background{ background-color: rgb(217,  
235, 234) }
```

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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