

Converting Colors

XYZ(73.7167, 82.0407, 80.1096)

Have a look what the booklet for
XYZ(73.7167, 82.0407, 80.1096)
contains.

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Color

**XYZ(73.7499, 81.8991,
80.3277)**

Conversions

Conversions Part 1

Format	Color
Hex	DEEEDD
RGB	222, 238, 221
RGB Percent	87%, 93%, 87%
CMY	0.1294, 0.0666, 0.1333
CMYK	0.07, 0.00, 0.07, 0.07
HSL	116°, 33%, 90%
HSV	116°, 7%, 93%
XYZ	73.7499, 81.8991, 80.3277
YIQ	231.2780, -4.0790, -8.6790

Conversions

Conversions Part 2

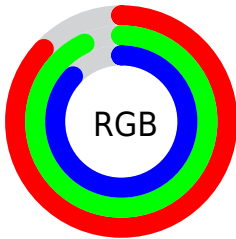
Format	Color
R _Y B	221, 238, 237
Decimal	14610141
CIE Lab	92.53, -8.35, 6.40
CIE LCh	93, 10.521, 142.500
Yxy	81.8991, 0.3125, 0.3471
Android (android.graphics.Color)	4292800221 (0xFFDEEEDD)
YUV	231.2780, -5.0671, -8.1368
Hunter-Lab	90.4981, -12.9062, 10.7219

Details

The XYZ color **73.7499, 81.8991, 80.3277** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.2173, 75.8927, 91.5247**, and the grayscale version is **76.2033, 80.1718, 87.3071**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.5472, 44.4246, 42.5668** is the 20% darker color. If you saturate the color by 10%, you get **64.3901, 77.4171, 64.4936**, and if you desaturate by 10%, it is **84.4755, 87.0379, 98.5757**.

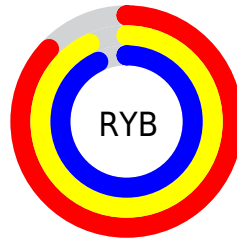
Distribution



Red (87%)

Green (93%)

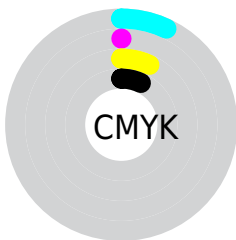
Blue (87%)



Red (87%)

Yellow (93%)

Blue (93%)

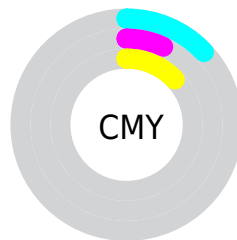


Cyan (7%)

Magenta (0%)

Yellow (7%)

Black (7%)



Cyan (13%)


Magenta (7%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.7499, 81.8991, 80.3277 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 73.7499, 81.8991, 80.3277 by changing the saturation by 10% instead.


 73.7499, 81.8991,
80.3277

 73.7499, 81.8991,
80.3277


462.6734,
501.3101, 515.7724

 54.8799, 61.2824,
59.4603

123.5386,
136.0325, 135.6419

 39.5391, 44.4531,
42.5613


155.1881,
170.3180, 170.9258

 27.3619, 31.0269,
29.2122


191.8280,
209.9284, 211.8523

 17.9832, 20.6193,
18.9945

233.8239,
255.2483, 258.8399

 11.0376, 12.8460,
11.4895

281.5410,
306.6621, 312.3072

 6.1596, 7.3226,
6.2788

335.3447,

 2.9839, 3.6647,

364.5540, 372.6727

2.9438

395.6004,
429.3086, 440.3549

■ 1.1453, 1.4878,
1.0660

■ 0.0625, 0.2801,
0.0000

■ 73.7499, 81.8991,
80.3277

■ 73.7499, 81.8991,
80.3277

■ 64.3901, 77.4171,
64.4936

■ 84.4755, 87.0379,
98.5757

■ 56.3347, 73.5554,
50.9672

■ 89.8661, 89.6322,
107.1720

■ 49.5279, 70.2900,
39.6426

■ 43.9070, 67.5910,
30.4032

■ 39.4042, 65.4262,
23.1218

■ 35.9446, 63.7601,
17.6576

■ 33.4442, 62.5528,
13.8504

■ 31.8057, 61.7582,
11.5129

■ 30.9099, 61.3200,
10.4020

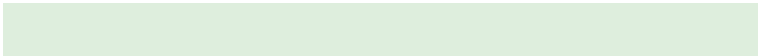
Harmonies

Analogous

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



75.8500, 81.8991, 75.9874



73.7499, 81.8991, 80.3277



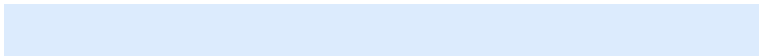
72.7509, 81.8991, 87.2254

Triad

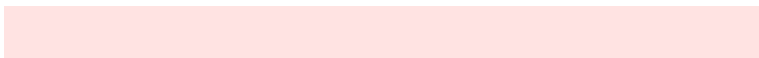
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.7499, 81.8991, 80.3277



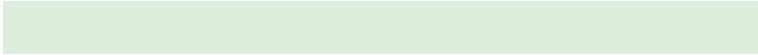
77.1592, 81.8991, 104.9333



82.7963, 81.8991, 83.5411

Complementary

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



73.7499, 81.8991, 80.3277



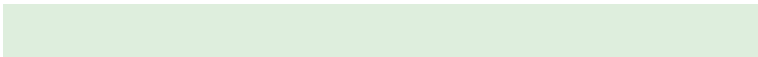
76.2173, 75.8927, 91.5247

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.



83.1666, 81.8991, 91.1518



73.7499, 81.8991, 80.3277



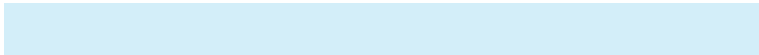
79.8698, 81.8991, 103.8046

Square

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



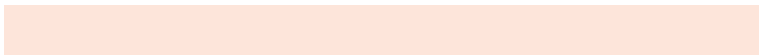
73.7499, 81.8991, 80.3277



74.6891, 81.8991, 101.6473



82.0841, 81.8991, 98.6475



81.0837, 81.8991, 77.7656

Rectangle

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



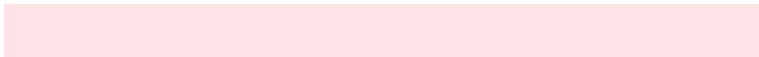
73.7499, 81.8991, 80.3277



72.8270, 81.8991, 92.4696



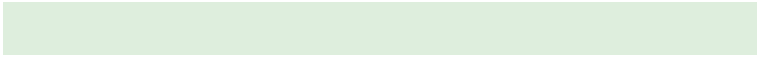
82.0841, 81.8991, 98.6475



83.0834, 81.8991, 85.9581

Sweetspot

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



73.7522, 81.9026, 80.3295



92.4956, 98.7768, 104.5511



78.5602, 83.8928, 80.4602



19.8246, 21.1551, 22.4238



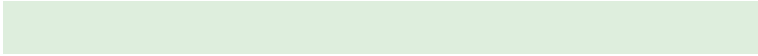
0.0000, 0.0000, 0.0000



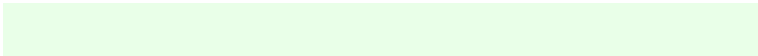
20.3446, 21.4041, 23.3091

Same Dimension

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



73.7522, 81.9026, 80.3295



84.0674, 94.7400, 90.2370



74.4505, 82.1467, 85.6003



15.6519, 17.7007, 16.7414



17.1928, 34.1848, 5.6922



1.4603, 2.8593, 0.4749

Inverse Universe

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



76.2173, 75.8927, 91.5247



87.6660, 85.9663, 106.5804



75.4912, 75.6410, 85.9543



16.3571, 15.9813, 19.9442



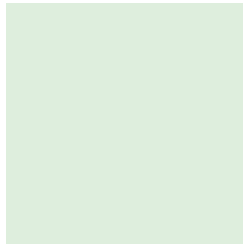
25.8003, 12.3059, 46.1433



2.1740, 1.0380, 3.8400

Previews

White Background



This preview shows how the XYZ color 73.7499, 81.8991, 80.3277 looks on a white background.

Color Contrast Check

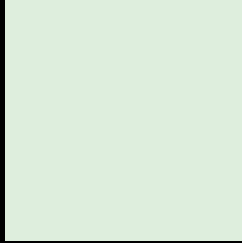
Large Text (above 18pt) WCAG AA × Fail

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 73.7499, 81.8991, 80.3277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

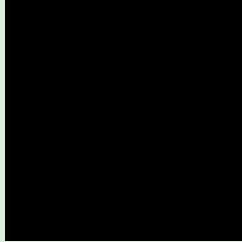
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

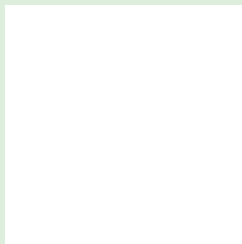
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.7499, 81.8991, 80.3277

Background



This preview shows how black text looks on a background with the XYZ color 73.7499, 81.8991, 80.3277.



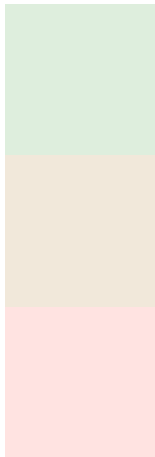
This preview shows how white text looks on a background with the XYZ color 73.7499, 81.8991,

80.3277.

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

73.7499, 81.8991, 80.3277

Protanopia

77.7871, 81.4760, 77.9563

Deuteranopia

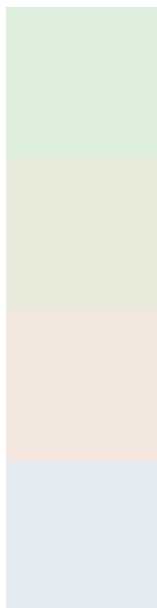
82.2997, 81.6344, 82.6535



Tritanopia

78.3882, 81.6370, 103.7215

Trichromacy



Original Color

73.7499, 81.8991, 80.3277

Protanomaly

76.1407, 81.4525, 78.7267

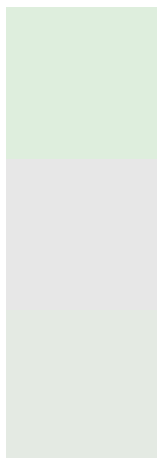
Deuteranomaly

78.9926, 81.5883, 82.1058

Tritanomaly

76.6369, 81.7751, 94.9641

Monochromacy



Original Color

73.7499, 81.8991, 80.3277

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.2829, 80.8857, 84.3177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.7499, 81.8991, 80.3277 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(222, 238, 221)` looks like.

```
.text, #text, p{  
    color:rgb(222, 238, 221)  
}
```

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(222, 238, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 238, 221) }
```

Border

The CSS property to change the border of an element to XYZ 73.7499, 81.8991, 80.3277 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(222, 238, 221) }
```


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

```
.border{ border-color:rgb(222, 238, 221) }
```

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

Here you see how a box with a 4 pixel rgb(222, 238, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 238, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 238, 221);  
box-shadow:4px 4px 4px 4px rgb(222, 238,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 73.7499, 81.8991, 80.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 238, 221) }
```

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

```
.background{ background-color: rgb(222,  
238, 221) }
```

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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