

Converting Colors

XYZ(73.3283, 84.4417, 80.3179)

Have a look what the booklet for
XYZ(73.3283, 84.4417, 80.3179)
contains.

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Color

**XYZ(73.2933, 84.3157,
80.1217)**

Conversions

Conversions Part 1

Format	Color
Hex	D7F4DC
RGB	215, 244, 220
RGB Percent	84%, 96%, 86%
CMY	0.1569, 0.0431, 0.1372
CMYK	0.12, 0.00, 0.10, 0.04
HSL	130°, 57%, 90%
HSV	130°, 12%, 96%
XYZ	73.2933, 84.3157, 80.1217
YIQ	232.5930, -9.5800, -13.6120

Conversions

Conversions Part 2

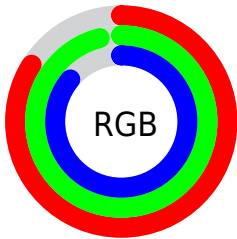
Format	Color
R _Y B	215, 240, 244
Decimal	14152924
CIE Lab	93.59, -13.85, 8.38
CIE LCh	94, 16.192, 148.825
Yxy	84.3157, 0.3083, 0.3547
Android (android.graphics.Color)	4292343004 (0xFFD7F4DC)
YUV	232.5930, -6.2083, -15.4291
Hunter-Lab	91.8236, -18.2131, 12.5423

Details

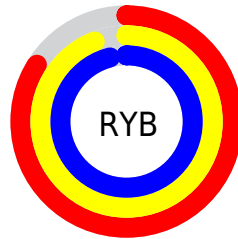
The XYZ color **73.2933, 84.3157, 80.1217** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.1917, 74.0681, 91.8935**, and the grayscale version is **77.1985, 81.2188, 88.4473**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.2720, 46.1566, 42.4366** is the 20% darker color. If you saturate the color by 10%, you get **64.1408, 79.8904, 66.5657**, and if you desaturate by 10%, it is **83.8421, 89.4283, 95.4331**.

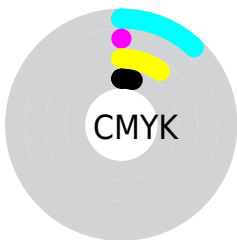
Distribution



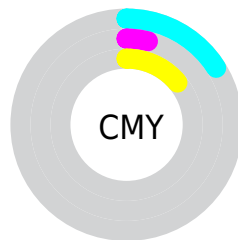
- Red (84%)
- Green (96%)
- Blue (86%)



- Red (84%)
- Yellow (94%)
- Blue (96%)



- Cyan (12%)
- Magenta (0%)
- Yellow (10%)
- Black (4%)



- Cyan (16%)
- Magenta (4%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.2933, 84.3157, 80.1217 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 73.2933, 84.3157, 80.1217 by changing the saturation by 10% instead.

73.2933, 84.3157,
80.1217

73.2933, 84.3157,
80.1217

461.1188,
509.3610, 515.0605

54.5051, 63.2761,
59.2917

122.8944,
139.4167, 135.3498

39.2379, 46.0646,
42.4265

154.4379,
174.2469, 170.5850

27.1264, 32.2968,
29.1073

190.9640,
214.4428, 211.4590

17.8052, 21.5883,
18.9157

232.8378,
260.3887, 258.3904

10.9091, 13.5547,
11.4332

280.4249,
312.4691, 311.7977

6.0726, 7.8116,
6.2412

334.0905,

2.9303, 3.9746,

371.0684, 372.0994

2.9211

394.2000,
436.5709, 439.7142

■ 1.1170, 1.6594,
1.0545

■ 0.0393, 0.3972,
0.0000

■ 73.2933, 84.3157,
80.1217

■ 73.2933, 84.3157,
80.1217

■ 64.1408, 79.8904,
66.5657

■ 83.8421, 89.4283,
95.4331

■ 56.3192, 76.1128,
54.6969

■ 91.6423, 93.1845,
107.7641

■ 49.7678, 72.9555,
44.4510

■ 44.4189, 70.3849,
35.7572

■ 40.1981, 68.3643,
28.5397

■ 37.0225, 66.8529,
22.7164

■ 34.7979, 65.8038,
18.1967

■ 33.4119, 65.1612,
14.8796

■ 32.7714, 64.8722,
12.9910

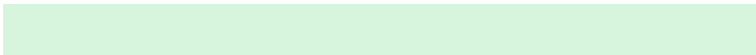
Harmonies

Analogous

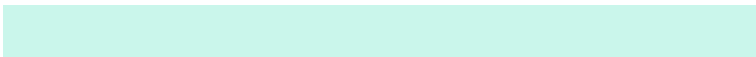
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.2315, 84.3157, 72.6414



73.2933, 84.3157, 80.1217



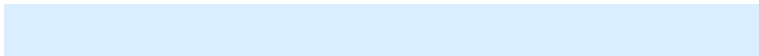
72.1793, 84.3157, 91.3222

Triad

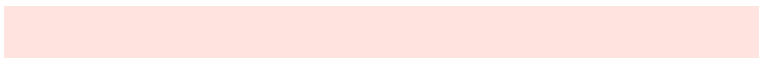
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.2933, 84.3157, 80.1217



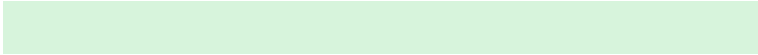
79.9706, 84.3157, 117.4820



87.5786, 84.3157, 80.8899

Complementary

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



73.2933, 84.3157, 80.1217



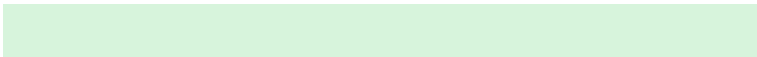
77.1917, 74.0681, 91.8935

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.



88.6645, 84.3157, 92.2904



73.2933, 84.3157, 80.1217



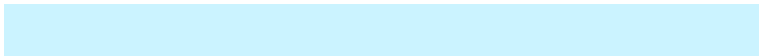
84.1789, 84.3157, 114.0744

Square

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



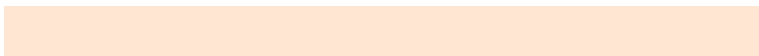
73.2933, 84.3157, 80.1217



75.9487, 84.3157, 113.5158



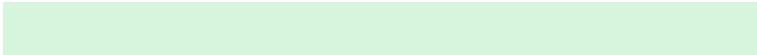
87.3994, 84.3157, 104.5732



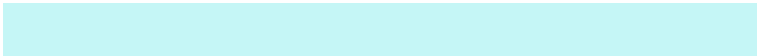
84.4818, 84.3157, 73.0563

Rectangle

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



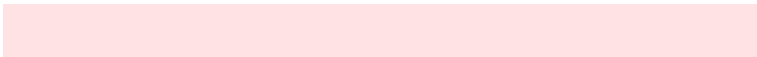
73.2933, 84.3157, 80.1217



72.5896, 84.3157, 99.6338



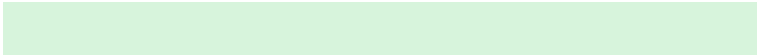
87.3994, 84.3157, 104.5732



88.1957, 84.3157, 84.3983

Sweetspot

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



73.2956, 84.3193, 80.1236



90.0669, 97.5847, 101.7275



80.2727, 87.9915, 77.0444



19.0836, 20.7929, 21.4928



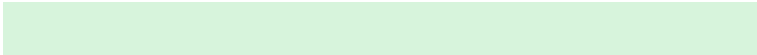
0.0000, 0.0000, 0.0000



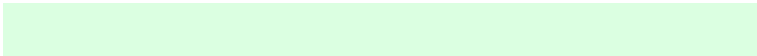
20.3446, 21.4041, 23.3091

Same Dimension

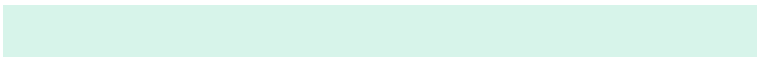
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.2956, 84.3193, 80.1236



78.7165, 92.0877, 85.1856



75.2769, 85.1118, 90.5570



16.3988, 18.5187, 18.1184



17.8525, 35.2858, 7.2429



1.6014, 3.1142, 0.8070

Inverse Universe

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



77.1917, 74.0681, 91.8935



83.7246, 78.9096, 100.3146



75.1565, 73.2540, 81.1763



17.0838, 16.7164, 20.1879



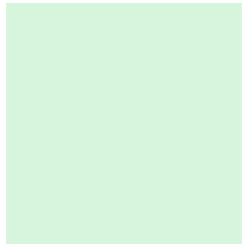
26.1238, 12.7930, 31.6899



2.3277, 1.1370, 2.9518

Previews

White Background



This preview shows how the XYZ color 73.2933, 84.3157, 80.1217 looks on a white background.

Color Contrast Check

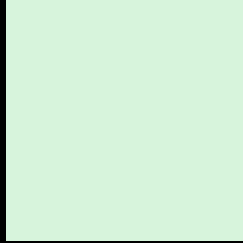
Large Text (above 18pt) WCAG AA × Fail

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 73.2933, 84.3157, 80.1217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

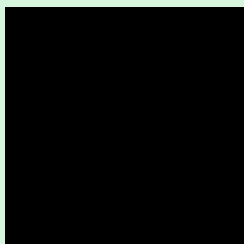
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

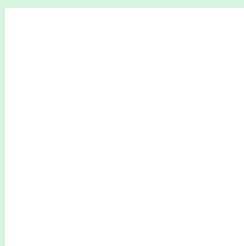
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.2933, 84.3157, 80.1217

Background



This preview shows how black text looks on a background with the XYZ color 73.2933, 84.3157, 80.1217.

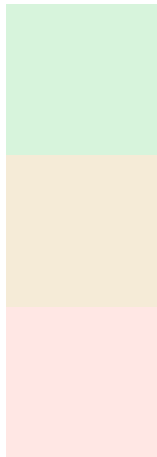


This preview shows how white text looks on a background with the XYZ color 73.2933, 84.3157,

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

73.2933, 84.3157, 80.1217

Protanopia

79.6303, 83.7354, 76.2556

Deuteranopia

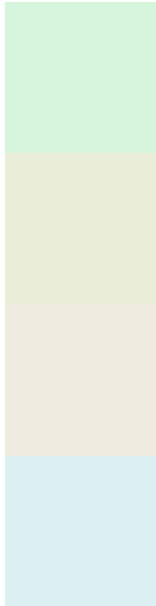
83.8195, 84.0133, 85.1972



Tritanopia

79.0560, 84.0570, 106.6657

Trichromacy



Original Color

73.2933, 84.3157, 80.1217

Protanomaly

77.0306, 83.6513, 77.7320

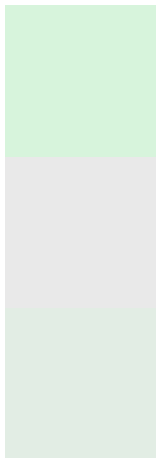
Deuteranomaly

79.5212, 83.9524, 83.2474

Tritanomaly

76.7023, 83.9466, 96.1651

Monochromacy



Original Color

73.2933, 84.3157, 80.1217

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

75.6518, 82.3386, 85.3044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.2933, 84.3157, 80.1217 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(215, 244, 220)` looks like.

```
.text, #text, p{  
    color:rgb(215, 244, 220)  
}
```

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(215, 244, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 244, 220) }
```

Border

The CSS property to change the border of an element to XYZ 73.2933, 84.3157, 80.1217 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(215, 244, 220) }
```


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

```
.border{ border-color:rgb(215, 244, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 244, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 244, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 244, 220);  
box-shadow:4px 4px 4px 4px rgb(215, 244,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 73.2933, 84.3157, 80.1217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 244, 220) }
```

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

```
.background{ background-color: rgb(215,  
244, 220) }
```

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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