

Converting Colors

XYZ(75.3051, 82.9670, 80.5090)

Have a look what the booklet for
XYZ(75.3051, 82.9670, 80.5090)
contains.

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Color

**XYZ(75.2817, 83.1222,
80.4830)**

Conversions

Conversions Part 1

Format	Color
Hex	E2EFDD
RGB	226, 239, 221
RGB Percent	89%, 94%, 87%
CMY	0.1137, 0.0627, 0.1333
CMYK	0.05, 0.00, 0.08, 0.06
HSL	103°, 36%, 90%
HSV	103°, 8%, 94%
XYZ	75.2817, 83.1222, 80.4830
YIQ	233.0610, -1.9700, -8.3540

Conversions

Conversions Part 2

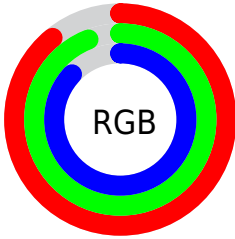
Format	Color
R _Y B	221, 239, 234
Decimal	14872541
CIE Lab	93.07, -7.50, 7.21
CIE LCh	93, 10.410, 136.127
Yxy	83.1222, 0.3151, 0.3480
Android (android.graphics.Color)	4293062621 (0xFFE2EFDD)
YUV	233.0610, -5.9461, -6.1925
Hunter-Lab	91.1714, -12.1595, 11.4808

Details

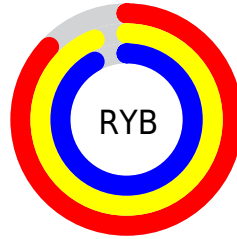
The XYZ color **75.2817, 83.1222, 80.4830** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **75.3713, 75.4395, 92.2544**, and the grayscale version is **77.5444, 81.5828, 88.8436**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.6110, 45.2781, 42.6755** is the 20% darker color. If you saturate the color by 10%, you get **67.1783, 79.2893, 64.6478**, and if you desaturate by 10%, it is **84.3882, 87.4246, 98.7349**.

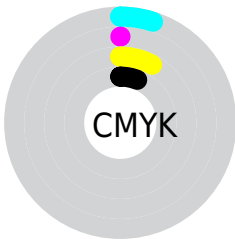
Distribution



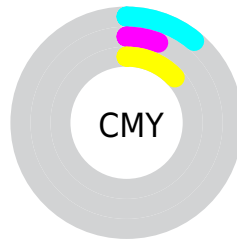
- Red (89%)
- Green (94%)
- Blue (87%)



- Red (87%)
- Yellow (94%)
- Blue (92%)



- Cyan (5%)
- Magenta (0%)
- Yellow (8%)
- Black (6%)



- Cyan (11%)
- Magenta (6%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.2817, 83.1222, 80.4830 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 75.2817, 83.1222, 80.4830 by changing the saturation by 10% instead.

75.2817, 83.1222,
80.4830

75.2817, 83.1222,
80.4830

467.8675,
505.3937, 516.3087

56.1387, 62.2910,
59.5874

125.6968,
137.7466, 135.8621

40.5516, 45.2678,
42.6630

157.6996,
172.3086, 171.1827

28.1550, 31.6685,
29.2914

194.7198,
212.2162, 212.1487

18.5836, 21.1084,
19.0539

237.1226,
257.8539, 259.1787

11.4720, 13.2033,
11.5320

285.2734,
309.6062, 312.6911

6.4549, 7.5687,
6.3072

339.5376,

3.1669, 3.8202,

367.8573, 373.1045

2.9610

400.2805,
432.9916, 440.8376

■ 1.2426, 1.5735,
1.0747

■ 0.1396, 0.3396,
0.0000

■ 75.2817, 83.1222,
80.4830

■ 75.2817, 83.1222,
80.4830

■ 67.1783, 79.2893,
64.6478

■ 84.3882, 87.4246,
98.7349

■ 60.0359, 75.8992,
51.1228

■ 90.1581, 90.2162,
107.2694

■ 53.8198, 72.9388,
39.8015

■ 48.4900, 70.3901,
30.5671

■ 44.0039, 68.2338,
23.2917

■ 40.3149, 66.4490,
17.8336

■ 37.3713, 65.0126,
14.0320

■ 35.1145, 63.8986,
11.6977

■ 33.4721, 63.0749,
10.5798

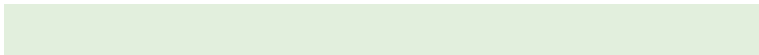
Harmonies

Analogous

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



77.5562, 83.1222, 76.8205



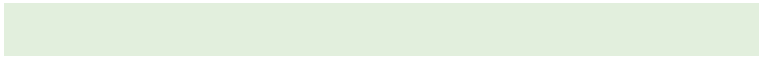
75.2817, 83.1222, 80.4830



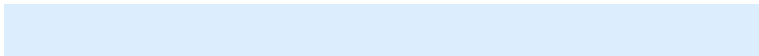
74.0185, 83.1222, 86.9496

Triad

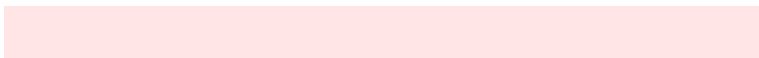
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.2817, 83.1222, 80.4830



77.7534, 83.1222, 105.8971



84.1551, 83.1222, 86.3945

Complementary

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



75.2817, 83.1222, 80.4830



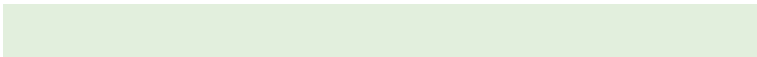
75.3713, 75.4395, 92.2544

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.



84.2109, 83.1222, 94.1580



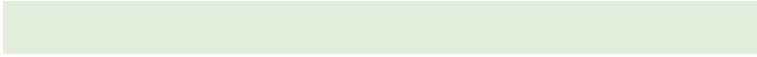
75.2817, 83.1222, 80.4830



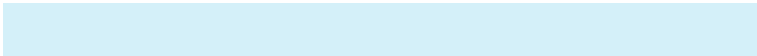
80.4720, 83.1222, 105.7272

Square

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



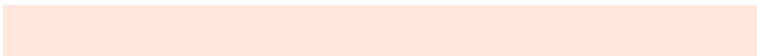
75.2817, 83.1222, 80.4830



75.4232, 83.1222, 101.7799



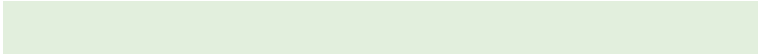
82.8494, 83.1222, 101.3283



82.6988, 83.1222, 80.0969

Rectangle

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



75.2817, 83.1222, 80.4830



73.9007, 83.1222, 92.1199



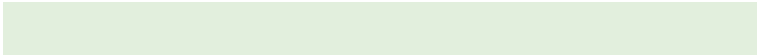
82.8494, 83.1222, 101.3283



84.3394, 83.1222, 88.9110

Sweetspot

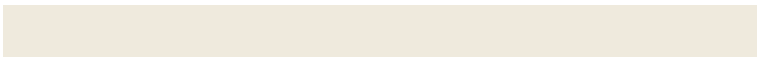
The Sweet Spot groups the original color and five complimentary colors.



75.2840, 83.1258, 80.4848



92.8974, 98.9839, 104.5699



78.0455, 82.3635, 80.1921



19.9064, 21.1973, 22.4276



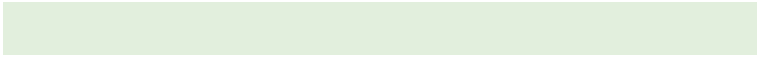
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

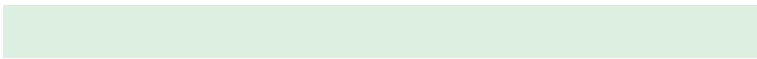
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.2840, 83.1258, 80.4848



85.7348, 95.5996, 90.3150



74.2647, 82.5396, 83.1820



15.9779, 17.8688, 16.7566



18.4221, 34.8185, 5.7497



1.6256, 2.9445, 0.4827

Inverse Universe

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



75.3713, 75.4395, 92.2544



85.8546, 85.0326, 106.4956



76.4659, 76.0697, 89.3293



16.0014, 15.7980, 19.9276



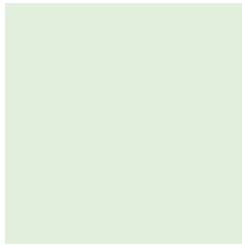
18.2217, 8.3990, 45.7887



1.6117, 0.7481, 3.8137

Previews

White Background



This preview shows how the XYZ color 75.2817, 83.1222, 80.4830 looks on a white background.

Color Contrast Check

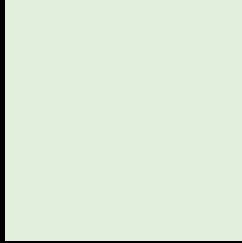
Large Text (above 18pt) WCAG AA × Fail

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 75.2817, 83.1222, 80.4830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

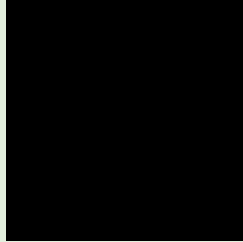
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

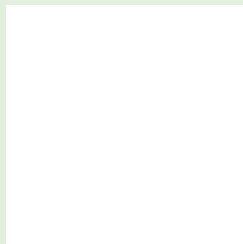
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.2817, 83.1222, 80.4830

Background



This preview shows how black text looks on a background with the XYZ color 75.2817, 83.1222, 80.4830.



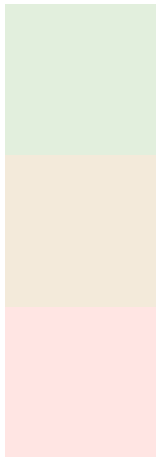
This preview shows how white text looks on a background with the XYZ color 75.2817, 83.1222,

80.4830.

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

75.2817, 83.1222, 80.4830

Protanopia

79.0399, 82.9623, 78.1771

Deuteranopia

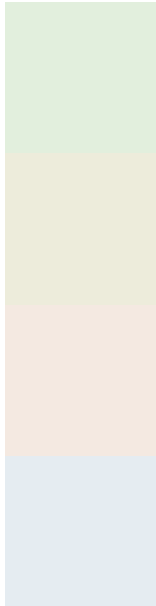
83.1244, 82.8447, 84.2825



Tritanopia

80.1074, 82.9264, 104.7128

Trichromacy



Original Color

75.2817, 83.1222, 80.4830

Protanomaly

77.7067, 83.1099, 78.9641

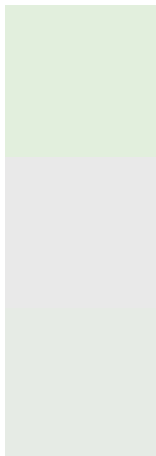
Deuteranomaly

80.0377, 82.9472, 83.0261

Tritanomaly

78.1857, 82.9998, 95.1188

Monochromacy



Original Color

75.2817, 83.1222, 80.4830

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.4843, 81.8968, 85.9052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.2817, 83.1222, 80.4830 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(226, 239, 221) looks like.

```
.text, #text, p{  
    color:rgb(226, 239, 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(226, 239, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 239, 221) }
```

Border

The CSS property to change the border of an element to XYZ 75.2817, 83.1222, 80.4830 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(226, 239, 221) }
```


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

```
.border{ border-color:rgb(226, 239, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 239, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 239, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 239, 221);  
box-shadow:4px 4px 4px 4px rgb(226, 239,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 75.2817, 83.1222, 80.4830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 239, 221) }
```

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

```
.background{ background-color: rgb(226,  
239, 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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