

Converting Colors

XYZ(77.7491, 83.1723, 85.1303)

Have a look what the booklet for
XYZ(77.7491, 83.1723, 85.1303)
contains.

XYZ(77.6033, 82.9160, 85.3130)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.6033, 82.9160,
85.3130)**

Conversions

Conversions Part 1

Format	Color
Hex	E9ECE4
RGB	233, 236, 228
RGB Percent	91%, 93%, 89%
CMY	0.0863, 0.0745, 0.1059
CMYK	0.01, 0.00, 0.03, 0.07
HSL	83°, 17%, 91%
HSV	83°, 3%, 93%
XYZ	77.6033, 82.9160, 85.3130
YIQ	234.1910, 0.7800, -3.1240

Conversions

Conversions Part 2

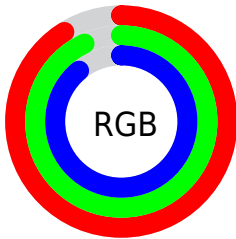
Format	Color
R_YB	228, 236, 231
Decimal	15330532
CIE Lab	92.98, -2.41, 3.51
CIE LCh	93, 4.258, 124.438
Yxy	82.9160, 0.3157, 0.3373
Android (android.graphics.Color)	4293520612 (0xFFE9ECE4)
YUV	234.1910, -3.0522, -1.0445
Hunter-Lab	91.0582, -7.2274, 8.1916

Details

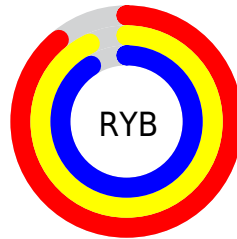
The XYZ color **77.6033, 82.9160, 85.3130** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **75.8419, 78.5341, 90.5225**, and the grayscale version is **78.3754, 82.4570, 89.7957**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9955, 45.0068, 46.0089** is the 20% darker color. If you saturate the color by 10%, you get **71.7291, 80.2432, 69.0872**, and if you desaturate by 10%, it is **84.0747, 85.8497, 103.9047**.

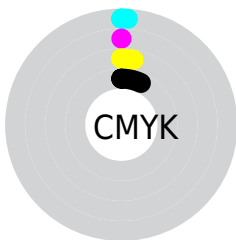
Distribution



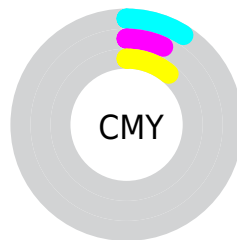
- Red (91%)
- Green (93%)
- Blue (89%)



- Red (89%)
- Yellow (93%)
- Blue (91%)



- Cyan (1%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6033, 82.9160, 85.3130 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 77.6033, 82.9160, 85.3130 by changing the saturation by 10% instead.

■ 77.6033, 82.9160,
85.3130

■ 77.6033, 82.9160,
85.3130

475.6790,
504.7065, 532.8348

■ 58.0498, 62.1209,
63.5484

128.9591,
137.4578, 142.6884

■ 42.0921, 45.1304,
45.8412

161.4921,
171.9733, 179.1364

■ 29.3648, 31.5601,
31.7727

199.0823,
211.8309, 221.3158

■ 19.5027, 21.0257,
20.9246

242.0951,
257.4152, 269.6453

■ 12.1402, 13.1428,
12.8782

290.8958,
309.1105, 324.5434

■ 6.9121, 7.5270,
7.2150

345.8498,

■ 3.4530, 3.7938,

367.3013, 386.4287

3.5164

407.3224,
432.3718, 455.7196

■ 1.3976, 1.5589,
1.3640

■ 0.2545, 0.3296,
0.1134

■ 77.6033, 82.9160,
85.3130

■ 77.6033, 82.9160,
85.3130

■ 71.7291, 80.2432,
69.0872

■ 84.0747, 85.8497,
103.9047

■ 66.4250, 77.8123,
55.1271

■ 87.7294, 87.6712,
106.9061

■ 61.6719, 75.6182,
43.3332

■ 89.2871, 88.4742,
106.9790

■ 57.4470, 73.6513,
33.5964

■ 53.7255, 71.9015,
25.7983

■ 50.4804, 70.3578,
19.8083

■ 47.6814, 69.0078,
15.4798

■ 45.2939, 67.8373,
12.6433

■ 43.2763, 66.8294,
11.0930

Harmonies

Analogous

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



78.6434, 82.9160, 84.2988



77.6033, 82.9160, 85.3130



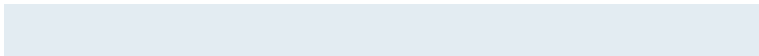
76.8914, 82.9160, 87.6587

Triad

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



77.6033, 82.9160, 85.3130



77.8880, 82.9160, 95.9329



80.9654, 82.9160, 89.8073

Complementary

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



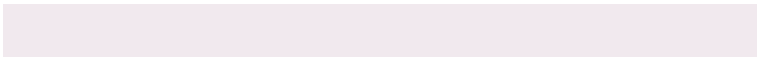
77.6033, 82.9160, 85.3130



75.8419, 78.5341, 90.5225

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.



80.7585, 82.9160, 92.9560



77.6033, 82.9160, 85.3130



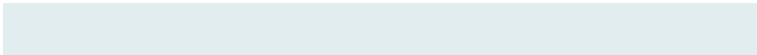
78.9751, 82.9160, 96.5406

Square

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



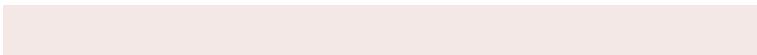
77.6033, 82.9160, 85.3130



77.0547, 82.9160, 93.7974



80.0275, 82.9160, 95.4391



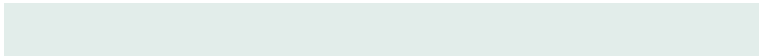
80.5901, 82.9160, 86.8544

Rectangle

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



77.6033, 82.9160, 85.3130



76.6951, 82.9160, 89.6878



80.0275, 82.9160, 95.4391



80.9617, 82.9160, 90.8777

Sweetspot

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



77.6056, 82.9196, 85.3148



94.2908, 99.6558, 106.7356



77.1559, 80.5516, 84.8814



20.1901, 21.3341, 22.8686



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

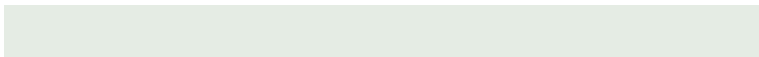
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6056, 82.9196, 85.3148



92.0563, 98.6414, 100.4140



76.3360, 82.2651, 85.2554



16.3728, 17.6014, 17.6993



23.3560, 36.5849, 5.8306



1.9400, 2.9274, 0.4628

Inverse Universe

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



75.8419, 78.5341, 90.5225



89.5766, 92.4754, 107.7361



77.1256, 79.1959, 90.5826



15.8528, 16.3085, 19.2346



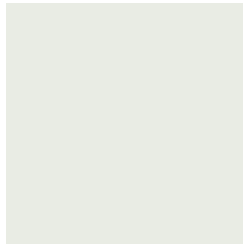
10.7266, 4.5657, 44.0589



0.9459, 0.4119, 3.4645

Previews

White Background



This preview shows how the XYZ color 77.6033, 82.9160, 85.3130 looks on a white background.

Color Contrast Check

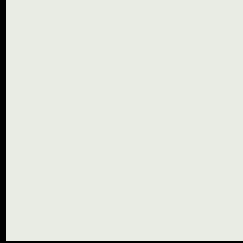
Large Text (above 18pt) WCAG AA × Fail

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 77.6033, 82.9160, 85.3130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

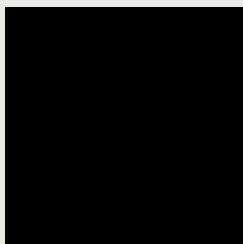
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

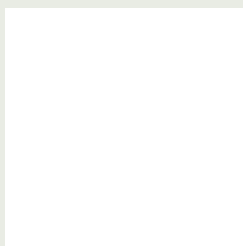
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.6033, 82.9160, 85.3130

Background



This preview shows how black text looks on a background with the XYZ color 77.6033, 82.9160, 85.3130.



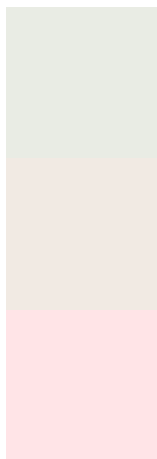
This preview shows how white text looks on a background with the XYZ color 77.6033, 82.9160,

85.3130.

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

77.6033, 82.9160, 85.3130

Protanopia

79.5636, 83.0925, 84.5180

Deuteranopia

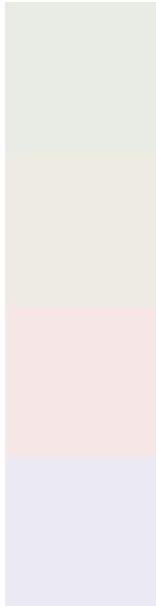
83.4072, 82.5163, 87.1325



Tritanopia

81.4766, 83.2474, 103.0409

Trichromacy



Original Color

77.6033, 82.9160, 85.3130

Protanomaly

78.8334, 83.1399, 84.5657

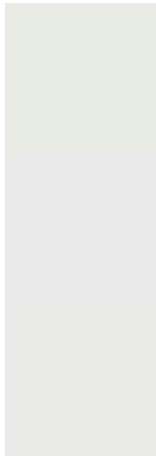
Deuteranomaly

81.2166, 82.6392, 86.5333

Tritanomaly

80.1926, 83.1496, 96.6169

Monochromacy



Original Color

77.6033, 82.9160, 85.3130

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.2055, 82.7353, 88.1916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6033, 82.9160, 85.3130 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(233, 236, 228) looks like.

```
.text, #text, p{  
    color:rgb(233, 236, 228)  
}
```

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(233, 236, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 236, 228) }
```

Border

The CSS property to change the border of an element to XYZ 77.6033, 82.9160, 85.3130 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(233, 236, 228) }
```


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

```
.border{ border-color:rgb(233, 236, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 236, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 236, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 236, 228);  
box-shadow:4px 4px 4px 4px rgb(233, 236,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6033, 82.9160, 85.3130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 236, 228) }
```

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

```
.background{ background-color: rgb(233,  
236, 228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor