

Converting Colors

XYZ(76.1492, 82.8900, 89.2666)

Have a look what the booklet for
XYZ(76.1492, 82.8900, 89.2666)
contains.

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Color

**XYZ(76.0230, 82.8796,
89.0813)**

Conversions

Conversions Part 1

Format	Color
Hex	E0EEE9
RGB	224, 238, 233
RGB Percent	88%, 93%, 91%
CMY	0.1216, 0.0666, 0.0863
CMYK	0.06, 0.00, 0.02, 0.07
HSL	159°, 29%, 91%
HSV	159°, 6%, 93%
XYZ	76.0230, 82.8796, 89.0813
YIQ	233.2440, -6.7390, -4.5230

Conversions

Conversions Part 2

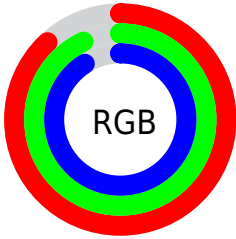
Format	Color
R_{YB}	224, 233, 238
Decimal	14741225
CIE Lab	92.96, -5.53, 0.81
CIE LCh	93, 5.592, 171.684
Yxy	82.8796, 0.3066, 0.3342
Android (android.graphics.Color)	4292931305 (0xFFE0EEE9)
YUV	233.2440, -0.1203, -8.1070
Hunter-Lab	91.0382, -10.2575, 5.7112

Details

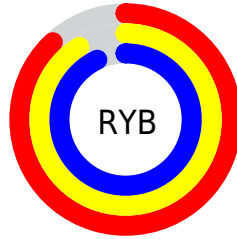
The XYZ color **76.0230, 82.8796, 89.0813** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.0615, 77.1478, 85.0149**, and the grayscale version is **77.6424, 81.6858, 88.9559**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0259, 45.0652, 48.1311** is the 20% darker color. If you saturate the color by 10%, you get **67.9714, 78.8682, 82.5157**, and if you desaturate by 10%, it is **85.1704, 87.4538, 96.0073**.

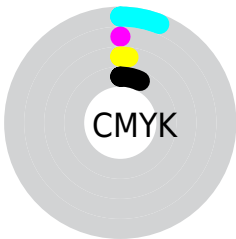
Distribution



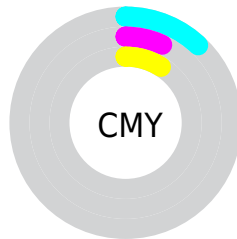
- Red (88%)
- Green (93%)
- Blue (91%)



- Red (88%)
- Yellow (91%)
- Blue (93%)



- Cyan (6%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)



- Cyan (12%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0230, 82.8796, 89.0813 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 76.0230, 82.8796, 89.0813 by changing the saturation by 10% instead.

■ 76.0230, 82.8796,
89.0813

■ 76.0230, 82.8796,
89.0813

470.3696,
504.5852, 545.5306

■ 56.7485, 62.0908,
66.6495

126.7396,
137.4068, 147.9860

■ 41.0427, 45.1061,
48.3400

158.9124,
171.9141, 185.2959

■ 28.5403, 31.5410,
33.7344

196.1153,
211.7629, 228.4024

■ 18.8758, 21.0112,
22.4139

238.7138,
257.3378, 277.7238

■ 11.6841, 13.1322,
13.9601

287.0731,
309.0230, 333.6788

■ 6.5996, 7.5196,
7.9545

341.5586,

■ 3.2571, 3.7891,

367.2031, 396.6859

3.9785

402.5356,
432.2623, 467.1637

■ 1.2911, 1.5563,
1.6136

■ 0.1766, 0.3279,
0.3005

■ 76.0230, 82.8796,
89.0813

■ 76.0230, 82.8796,
89.0813

■ 67.9714, 78.8682,
82.5157

■ 85.1704, 87.4538,
96.0073

■ 60.9651, 75.3866,
76.2988

■ 89.0731, 89.3151,
102.9959

■ 54.9599, 72.4147,
70.4258

■ 89.8661, 89.6323,
107.1720

■ 49.9059, 69.9265,
64.8900

■ 45.7485, 67.8942,
59.6842

■ 42.4274, 66.2868,
54.8011

■ 39.8747, 65.0693,
50.2325

■ 38.0111, 64.2009,
45.9700

■ 36.7387, 63.6315,
42.0038

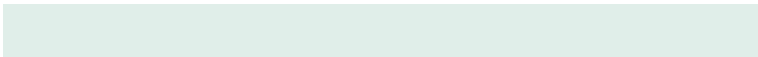
Harmonies

Analogous

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



76.5874, 82.8796, 85.3371



76.0230, 82.8796, 89.0813



76.1887, 82.8796, 93.2522

Triad

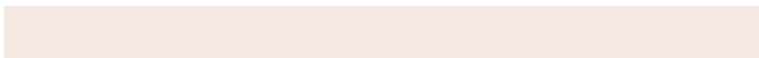
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.0230, 82.8796, 89.0813



79.8188, 82.8796, 97.9392



80.5320, 82.8796, 84.0655

Complementary

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



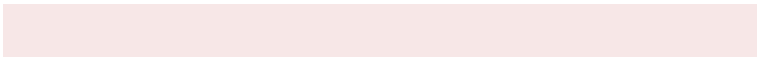
76.0230, 82.8796, 89.0813



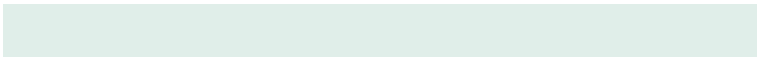
76.0615, 77.1478, 85.0149

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.



81.4183, 82.8796, 87.2968



76.0230, 82.8796, 89.0813



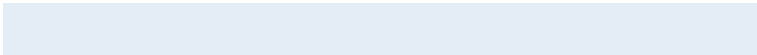
81.0030, 82.8796, 95.3309

Square

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



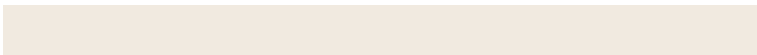
76.0230, 82.8796, 89.0813



78.3683, 82.8796, 98.4528



81.5918, 82.8796, 91.4123



79.1822, 82.8796, 82.5005

Rectangle

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



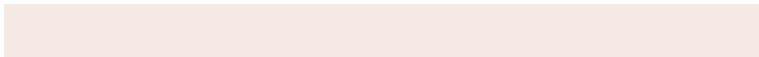
76.0230, 82.8796, 89.0813



76.6918, 82.8796, 95.7078



81.5918, 82.8796, 91.4123



80.8947, 82.8796, 84.9880

Sweetspot

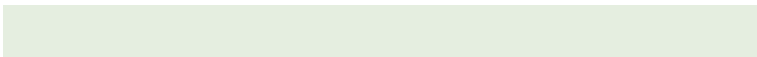
The Sweet Spot groups the original color and five complimentary colors.



76.0253, 82.8831, 89.0831



92.9065, 98.9287, 107.2754



76.3876, 83.2146, 82.5582



19.9083, 21.1860, 22.9785



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

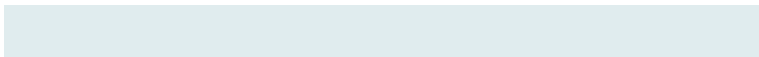
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.0253, 82.8831, 89.0831



87.7751, 96.3663, 103.2879



76.2097, 82.0915, 92.7217



16.3386, 17.9996, 19.2657



20.3273, 35.4229, 22.9043



1.7383, 2.9658, 2.1543

Inverse Universe

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



76.0615, 77.1478, 85.0149



87.8252, 88.4183, 97.6503



75.8772, 77.8814, 81.5557



16.3487, 16.3986, 18.1302



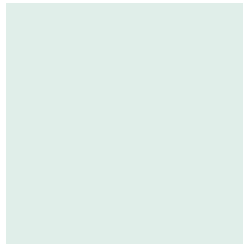
20.6432, 10.5297, 6.0376



1.7632, 0.8943, 0.7436

Previews

White Background



This preview shows how the XYZ color 76.0230, 82.8796, 89.0813 looks on a white background.

Color Contrast Check

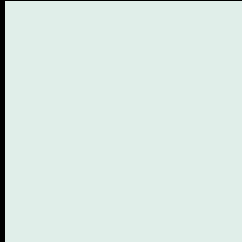
Large Text (above 18pt) WCAG AA × Fail

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 76.0230, 82.8796, 89.0813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

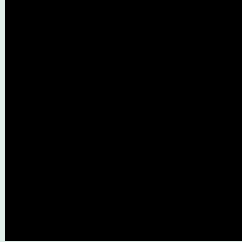
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

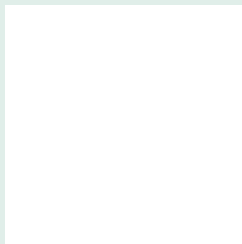
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.0230, 82.8796, 89.0813

Background



This preview shows how black text looks on a background with the XYZ color 76.0230, 82.8796, 89.0813.



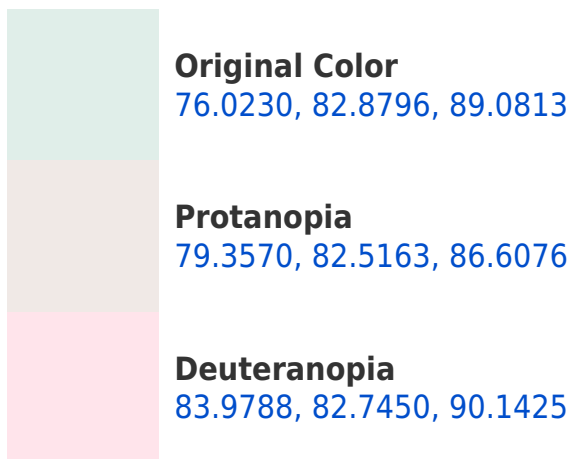
This preview shows how white text looks on a background with the XYZ color 76.0230, 82.8796,

89.0813.

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

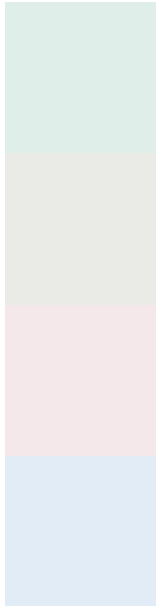




Tritanopia

79.1165, 82.8394, 104.7482

Trichromacy



Original Color

76.0230, 82.8796, 89.0813

Protanomaly

78.0638, 82.6786, 87.4455

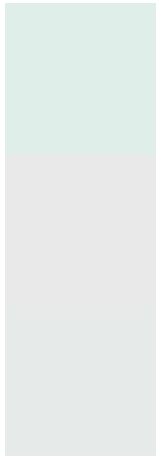
Deuteranomaly

81.0161, 82.8868, 89.5707

Tritanomaly

77.9940, 82.8135, 99.0627

Monochromacy



Original Color

76.0230, 82.8796, 89.0813

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.0494, 82.1228, 88.8811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.0230, 82.8796, 89.0813 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(224, 238, 233) looks like.

```
.text, #text, p{  
    color:rgb(224, 238, 233)  
}
```

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(224, 238, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 238, 233) }
```

Border

The CSS property to change the border of an element to XYZ 76.0230, 82.8796, 89.0813 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(224, 238, 233) }
```


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

```
.border{ border-color:rgb(224, 238, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 238, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 238, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 238, 233);  
box-shadow:4px 4px 4px 4px rgb(224, 238,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 76.0230, 82.8796, 89.0813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 238, 233) }
```

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

```
.background{ background-color: rgb(224,  
238, 233) }
```

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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