

Converting Colors

XYZ(76.4838, 83.0595, 89.2105)

Have a look what the booklet for
XYZ(76.4838, 83.0595, 89.2105)
contains.

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Color

**XYZ(76.6465, 83.2010,
89.1105)**

Conversions

Conversions Part 1

Format	Color
Hex	E2EEE9
RGB	226, 238, 233
RGB Percent	89%, 93%, 91%
CMY	0.1137, 0.0666, 0.0863
CMYK	0.05, 0.00, 0.02, 0.07
HSL	155°, 26%, 91%
HSV	155°, 5%, 93%
XYZ	76.6465, 83.2010, 89.1105
YIQ	233.8420, -5.5470, -4.0990

Conversions

Conversions Part 2

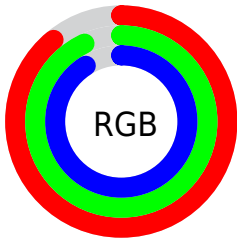
Format	Color
R _Y B	226, 234, 238
Decimal	14872297
CIE Lab	93.10, -4.87, 1.03
CIE LCh	93, 4.982, 168.058
Yxy	83.2010, 0.3079, 0.3342
Android (android.graphics.Color)	4293062377 (0xFFE2EEE9)
YUV	233.8420, -0.4151, -6.8774
Hunter-Lab	91.2146, -9.6341, 5.9279

Details

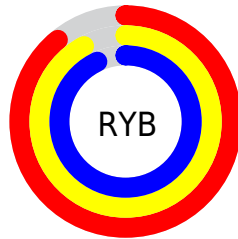
The XYZ color **76.6465, 83.2010, 89.1105** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **76.8830, 78.3414, 86.6744**, and the grayscale version is **78.0952, 82.1623, 89.4747**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4583, 45.2881, 48.1514** is the 20% darker color. If you saturate the color by 10%, you get **68.3178, 79.0689, 81.5301**, and if you desaturate by 10%, it is **86.0956, 87.9061, 97.1628**.

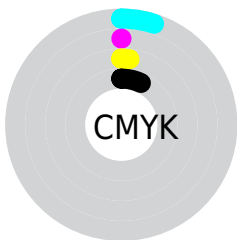
Distribution



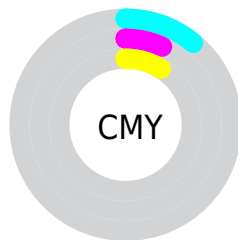
- Red (89%)
- Green (93%)
- Blue (91%)



- Red (89%)
- Yellow (92%)
- Blue (93%)



- Cyan (5%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6465, 83.2010, 89.1105 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 76.6465, 83.2010, 89.1105 by changing the saturation by 10% instead.

■ 76.6465, 83.2010,
89.1105

■ 76.6465, 83.2010,
89.1105

472.4684,
505.6562, 545.6283

■ 57.2617, 62.3560,
66.6736

127.6159,
137.8569, 148.0269

■ 41.4563, 45.3204,
48.3595

159.9311,
172.4367, 185.3435

■ 28.8651, 31.7099,
33.7496

197.2873,
212.3634, 228.4571

■ 19.1225, 21.1400,
22.4255

240.0496,
258.0215, 277.7861

■ 11.8634, 13.2264,
13.9686

288.5835,
309.7955, 333.7493

■ 6.7223, 7.5846,
7.9603

343.2544,

■ 3.3338, 3.8303,

368.0696, 396.7650

3.9822

404.4276,
433.2284, 467.2518

■ 1.3326, 1.5791,
1.6156

■ 0.2075, 0.3435,
0.3019

■ 76.6465, 83.2010,
89.1105

■ 76.6465, 83.2010,
89.1105

■ 68.3178, 79.0689,
81.5301

■ 86.0956, 87.9061,
97.1628

■ 61.0587, 75.4769,
74.4074

■ 89.5209, 89.4942,
105.3540

■ 54.8250, 72.4045,
67.7349

■ 89.8661, 89.6323,
107.1720

■ 49.5662, 69.8260,
61.5032

■ 45.2279, 67.7134,
55.7025

■ 41.7498, 66.0359,
50.3224

■ 39.0641, 64.7585,
45.3520

■ 37.0919, 63.8410,
40.7794

■ 35.7370, 63.2338,
36.5921

Harmonies

Analogous

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



77.2253, 83.2010, 85.8654



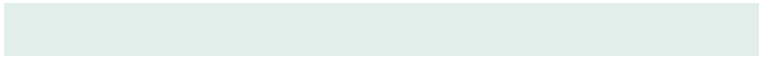
76.6465, 83.2010, 89.1105



76.7145, 83.2010, 92.8414

Triad

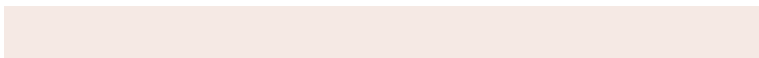
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.6465, 83.2010, 89.1105



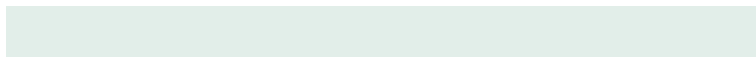
79.8617, 83.2010, 97.6090



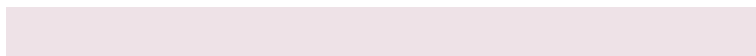
80.7718, 83.2010, 85.3425

Complementary

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



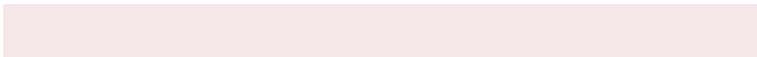
76.6465, 83.2010, 89.1105



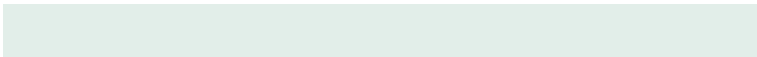
76.8830, 78.3414, 86.6744

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.



81.4937, 83.2010, 88.3787



76.6465, 83.2010, 89.1105



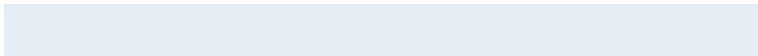
80.9643, 83.2010, 95.4884

Square

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



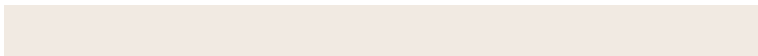
76.6465, 83.2010, 89.1105



78.5611, 83.2010, 97.8181



81.5646, 83.2010, 92.0893



79.6012, 83.2010, 83.7304

Rectangle

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



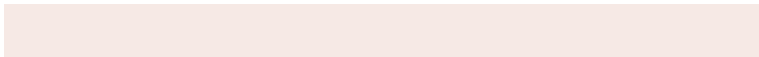
76.6465, 83.2010, 89.1105



77.1175, 83.2010, 95.1019



81.5646, 83.2010, 92.0893



81.0756, 83.2010, 86.2265

Sweetspot

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



76.6489, 83.2045, 89.1123



92.8581, 98.9094, 107.0207



77.3244, 83.6661, 84.0263



19.8984, 21.1821, 22.9266



0.0000, 0.0000, 0.0000



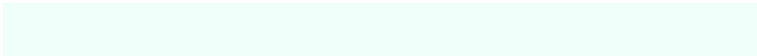
20.3446, 21.4041, 23.3091

Same Dimension

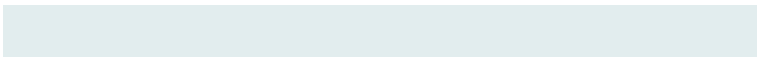
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6489, 83.2045, 89.1123



88.6334, 96.8088, 103.3285



77.1416, 83.0296, 92.8537



16.4850, 18.0755, 19.2509



19.7149, 35.1780, 19.6795



1.6896, 2.9463, 1.8976

Inverse Universe

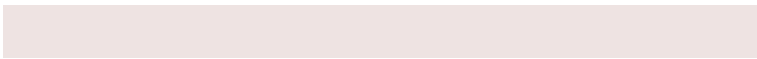
The Inverse Universe completely reimagines the original color for something new.



76.8830, 78.3414, 86.6744



88.9583, 90.0623, 99.9465



76.4043, 78.4989, 83.0774



16.5518, 16.6888, 18.5558



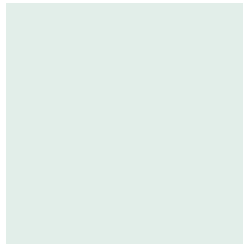
20.9946, 10.6703, 7.8879



1.7950, 0.9071, 0.9115

Previews

White Background



This preview shows how the XYZ color 76.6465, 83.2010, 89.1105 looks on a white background.

Color Contrast Check

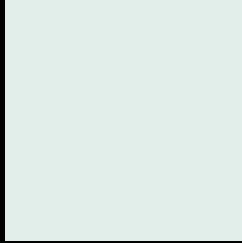
Large Text (above 18pt) WCAG AA × Fail

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 76.6465, 83.2010, 89.1105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

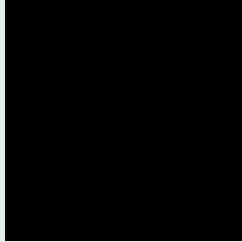
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

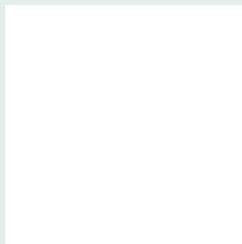
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.6465, 83.2010, 89.1105

Background



This preview shows how black text looks on a background with the XYZ color 76.6465, 83.2010, 89.1105.



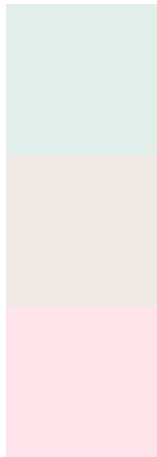
This preview shows how white text looks on a background with the XYZ color 76.6465, 83.2010,

89.1105.

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

76.6465, 83.2010, 89.1105

Protanopia

79.7818, 83.1404, 87.4441

Deuteranopia

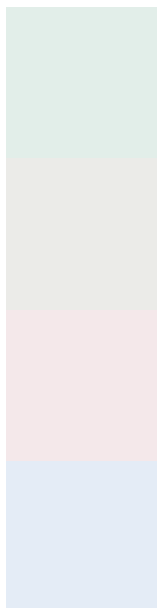
83.9788, 82.7450, 90.1425



Tritanopia

79.7511, 83.1665, 104.7779

Trichromacy



Original Color

76.6465, 83.2010, 89.1105

Protanomaly

78.5348, 82.9050, 88.2070

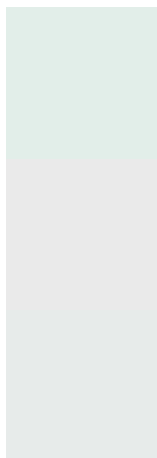
Deuteranomaly

81.0161, 82.8868, 89.5707

Tritanomaly

78.6249, 83.1387, 99.0922

Monochromacy



Original Color

76.6465, 83.2010, 89.1105

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.5146, 82.3461, 89.6508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6465, 83.2010, 89.1105 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, 238, 233) looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 238, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 238, 233) }
```

Border

The CSS property to change the border of an element to XYZ 76.6465, 83.2010, 89.1105 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, 238, 233) }
```


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

```
.border{ border-color:rgb(226, 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(226, 238, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 238, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 238, 233);  
box-shadow:4px 4px 4px 4px rgb(226, 238,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6465, 83.2010, 89.1105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 238, 233) }
```

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

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