

Converting Colors

XYZ(77.0967, 79.9861, 85.7578)

Have a look what the booklet for
XYZ(77.0967, 79.9861, 85.7578)
contains.

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Color

**XYZ(77.0317, 80.0836,
85.5264)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE6E5
RGB	236, 230, 229
RGB Percent	93%, 90%, 90%
CMY	0.0745, 0.0980, 0.1020
CMYK	0.00, 0.03, 0.03, 0.07
HSL	9°, 16%, 91%
HSV	9°, 3%, 93%
XYZ	77.0317, 80.0836, 85.5264
YIQ	231.6800, 3.8970, 0.9610

Conversions

Conversions Part 2

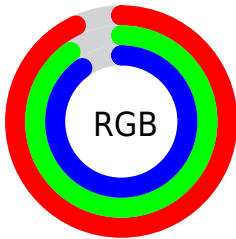
Format	Color
R _Y B	236, 230, 229
Decimal	15525605
CIE Lab	91.72, 1.85, 1.19
CIE LCh	92, 2.204, 32.806
Yxy	80.0836, 0.3175, 0.3300
Android (android.graphics.Color)	4293715685 (0xFFECE6E5)
YUV	231.6800, -1.3212, 3.7886
Hunter-Lab	89.4894, -2.9553, 5.9783

Details

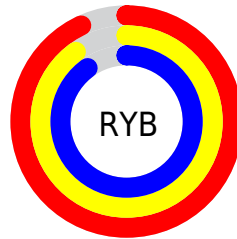
The XYZ color **77.0317, 80.0836, 85.5264** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.1617, 82.1296, 91.1436**, and the grayscale version is **76.4720, 80.4545, 87.6149**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7923, 43.4192, 46.2225** is the 20% darker color. If you saturate the color by 10%, you get **68.6554, 68.2501, 67.5671**, and if you desaturate by 10%, it is **86.5129, 93.4080, 106.0660**.

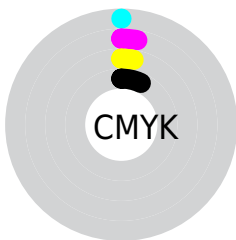
Distribution



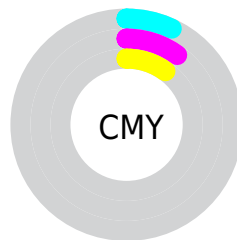
- Red (93%)
- Green (90%)
- Blue (90%)



- Red (93%)
- Yellow (90%)
- Blue (90%)



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



- Cyan (7%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0317, 80.0836, 85.5264 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 77.0317, 80.0836, 85.5264 by changing the saturation by 10% instead.

■ 77.0317, 80.0836,
85.5264

■ 77.0317, 80.0836,
85.5264

473.7624,
495.2145, 533.5582

■ 57.5789, 59.7871,
63.7238

128.1568,
133.4833, 142.9891

■ 41.7122, 43.2471,
45.9822

160.5599,
167.3553, 179.4862

■ 29.0661, 30.0790,
31.8832

198.0104,
206.5212, 221.7186

■ 19.2754, 19.8986,
21.0082

240.8737,
251.3656, 270.1048

■ 11.9746, 12.3213,
12.9387

289.5152,
302.2727, 325.0633

■ 6.7985, 6.9629,
7.2561

344.3003,

■ 3.3816, 3.4389,

359.6270, 387.0127

3.5419

405.5942,
423.8128, 456.3715

■ 1.3586, 1.3649,
1.3776

■ 0.2265, 0.1907,
0.1241

■ 77.0317, 80.0836,
85.5264

■ 77.0317, 80.0836,
85.5264

■ 68.6554, 68.2501,
67.5671

■ 86.5129, 93.4080,
106.0660

■ 61.3371, 57.8455,
52.0809

■ 88.4025, 96.5731,
108.5889

■ 55.0365, 48.8189,
38.9609

■ 49.7081, 41.1120,
28.0902

■ 45.3029, 34.6630,
19.3421

■ 41.7675, 29.4044,
12.5771

■ 39.0432, 25.2628,
7.6392

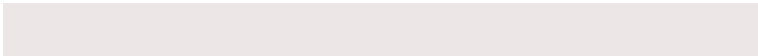
■ 37.0633, 22.1565,
4.3486

■ 35.7504, 19.9920,
2.4886

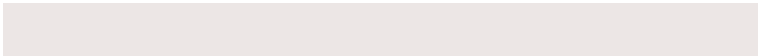
Harmonies

Analogous

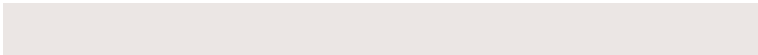
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2048, 80.0836, 87.0455



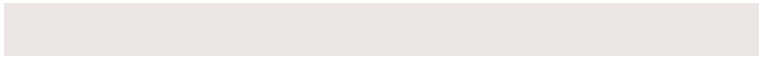
77.0317, 80.0836, 85.5264



76.6135, 80.0836, 84.4655

Triad

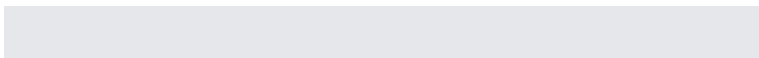
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.0317, 80.0836, 85.5264



75.1571, 80.0836, 85.7865



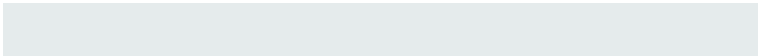
76.1701, 80.0836, 90.3347

Complementary

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



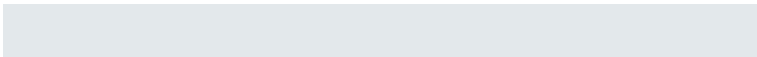
77.0317, 80.0836, 85.5264



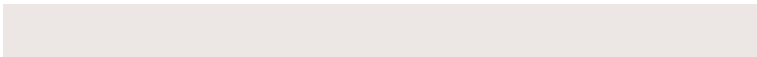
77.1617, 82.1296, 91.1436

Split Complementary

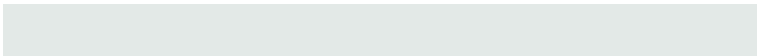
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.6228, 80.0836, 89.9877



77.0317, 80.0836, 85.5264



75.0396, 80.0836, 87.3495

Square

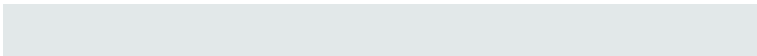
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



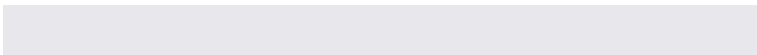
77.0317, 80.0836, 85.5264



75.5313, 80.0836, 84.6143



75.2097, 80.0836, 88.8901



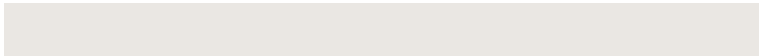
76.7058, 80.0836, 89.8326

Rectangle

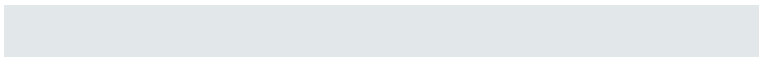
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.0317, 80.0836, 85.5264



76.2529, 80.0836, 84.1538



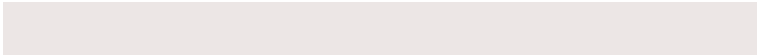
75.2097, 80.0836, 88.8901



75.9814, 80.0836, 90.3135

Sweetspot

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



77.0340, 80.0871, 85.5281



93.9492, 98.4511, 106.5211



77.6175, 79.8747, 89.9753



20.1206, 21.0889, 22.8250



0.0000, 0.0000, 0.0000



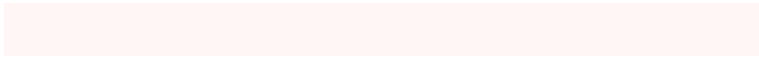
20.3446, 21.4041, 23.3091

Same Dimension

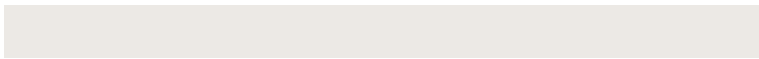
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.0340, 80.0871, 85.5281



90.7267, 93.9120, 99.5712



77.9977, 82.0146, 85.8494



16.0945, 16.6094, 17.5225



19.4365, 10.5672, 1.0153



1.5806, 0.9386, 0.0979

Inverse Universe

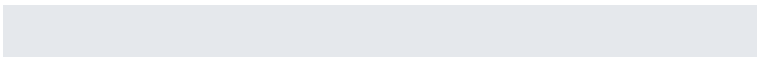
The Inverse Universe completely reimagines the original color for something new.



77.1617, 82.1296, 91.1436



90.9315, 97.1866, 108.5740



76.1893, 80.1849, 90.8195



16.1374, 17.2960, 19.4102



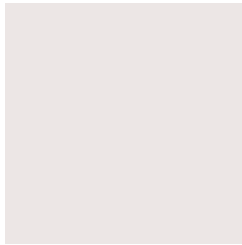
20.0805, 26.8080, 47.8591



1.6272, 2.2059, 3.7749

Previews

White Background



This preview shows how the XYZ color 77.0317, 80.0836, 85.5264 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 77.0317, 80.0836, 85.5264 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

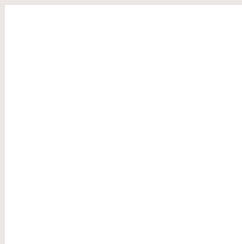
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.0317, 80.0836, 85.5264

Background



This preview shows how black text looks on a background with the XYZ color 77.0317, 80.0836, 85.5264.



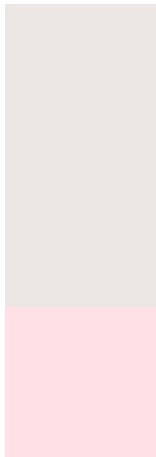
This preview shows how white text looks on a background with the XYZ color 77.0317, 80.0836,

85.5264.

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

77.0317, 80.0836, 85.5264

Protanopia

77.0317, 80.0836, 85.5264

Deuteranopia

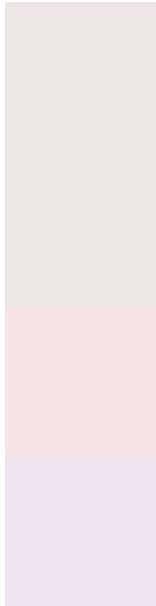
81.8116, 80.0953, 86.0109



Tritanopia

79.2104, 79.7079, 97.5965

Trichromacy



Original Color

77.0317, 80.0836, 85.5264

Protanomaly

77.0317, 80.0836, 85.5264

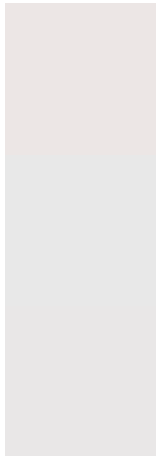
Deuteranomaly

79.8371, 79.8800, 86.0734

Tritanomaly

78.2484, 79.7233, 92.9254

Monochromacy



Original Color

77.0317, 80.0836, 85.5264

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.6040, 80.2450, 87.0527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0317, 80.0836, 85.5264 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(236, 230, 229) looks like.

```
.text, #text, p{  
    color:rgb(236, 230, 229)  
}
```

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(236, 230, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 230, 229) }
```

Border

The CSS property to change the border of an element to XYZ 77.0317, 80.0836, 85.5264 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(236, 230, 229) }
```


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

```
.border{ border-color:rgb(236, 230, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 230, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 230, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 230, 229);  
box-shadow:4px 4px 4px 4px rgb(236, 230,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0317, 80.0836, 85.5264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 230, 229) }
```

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

```
.background{ background-color: rgb(236,  
230, 229) }
```

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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