

Converting Colors

XYZ(77.3607, 79.2263, 88.4446)

Have a look what the booklet for
XYZ(77.3607, 79.2263, 88.4446)
contains.

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Color

**XYZ(77.3764, 79.3745,
88.3334)**

Conversions

Conversions Part 1

Format	Color
Hex	EDE4E9
RGB	237, 228, 233
RGB Percent	93%, 89%, 91%
CMY	0.0706, 0.1059, 0.0863
CMYK	0.00, 0.04, 0.02, 0.07
HSL	327°, 20%, 91%
HSV	327°, 4%, 93%
XYZ	77.3764, 79.3745, 88.3334
YIQ	231.2610, 3.7590, 3.4630

Conversions

Conversions Part 2

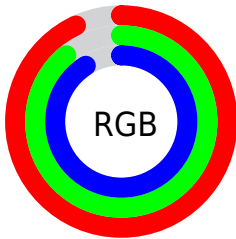
Format	Color
R_{YB}	237, 228, 233
Decimal	15590633
CIE Lab	91.40, 3.92, -1.35
CIE LCh	91, 4.148, 340.965
Yxy	79.3745, 0.3157, 0.3239
Android (android.graphics.Color)	4293780713 (0xFFE4E9)
YUV	231.2610, 0.8573, 5.0331
Hunter-Lab	89.0924, -0.8850, 3.5797

Details

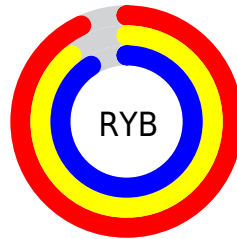
The XYZ color **77.3764, 79.3745, 88.3334** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.8475, 82.8906, 88.2972**, and the grayscale version is **76.1437, 80.1091, 87.2389**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9354, 42.8852, 47.6624** is the 20% darker color. If you saturate the color by 10%, you get **69.8381, 66.6347, 78.6144**, and if you desaturate by 10%, it is **85.9029, 93.9446, 98.8273**.

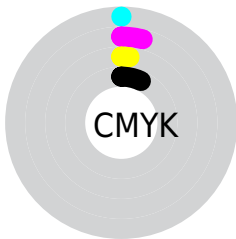
Distribution



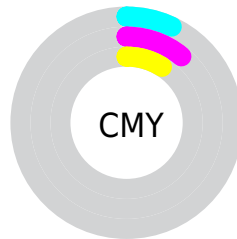
- Red (93%)
- Green (89%)
- Blue (91%)



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



- Cyan (0%)
- Magenta (4%)
- Yellow (2%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3764, 79.3745, 88.3334 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 77.3764, 79.3745, 88.3334 by changing the saturation by 10% instead.

77.3764, 79.3745,
88.3334

77.3764, 79.3745,
88.3334

474.9187,
492.8224, 543.0240

57.8629, 59.2038,
66.0333

128.6407,
132.4860, 146.9364

41.9412, 42.7772,
47.8428

161.1222,
166.1955, 184.0765

29.2462, 29.7103,
33.3433

198.6570,
205.1867, 227.0003

19.4124, 19.6188,
22.1163

241.6105,
249.8440, 276.1263

12.0744, 12.1183,
13.7432

290.3481,
300.5519, 331.8732

6.8669, 6.8243,
7.8056

345.2350,

3.4246, 3.3524,

357.6946, 394.6594

3.8848

406.6368,
421.6566, 464.9035

■ 1.3821, 1.3184,
1.5624

■ 0.2434, 0.1554,
0.2638

■ 77.3764, 79.3745,
88.3334

■ 77.3764, 79.3745,
88.3334

■ 69.8381, 66.6347,
78.6144

■ 85.9029, 93.9446,
98.8273

■ 63.2435, 55.6419,
69.6449

■ 88.5873, 96.6855,
107.8241

■ 57.5547, 46.3220,
61.4053

■ 88.7355, 96.7448,
108.6045

■ 52.7286, 38.5910,
53.8733

■ 48.7182, 32.3581,
47.0248

■ 45.4721, 27.5229,
40.8340

■ 42.9323, 23.9728,
35.2728

■ 41.0324, 21.5773,
30.3097

■ 39.6912, 20.1777,
25.9083

Harmonies

Analogous

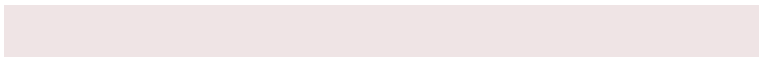
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7804, 79.3745, 90.8855



77.3764, 79.3745, 88.3334



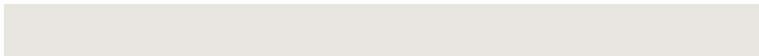
77.4515, 79.3745, 85.3253

Triad

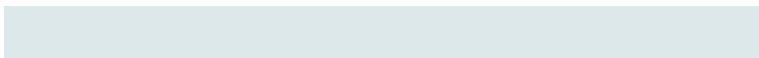
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.3764, 79.3745, 88.3334



75.0580, 79.3745, 80.8480



73.9221, 79.3745, 90.2891

Complementary

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



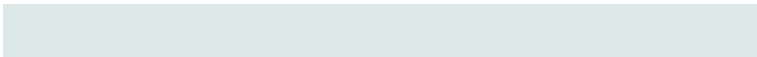
77.3764, 79.3745, 88.3334



76.8475, 82.8906, 88.2972

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.



73.4696, 79.3745, 87.5348



77.3764, 79.3745, 88.3334



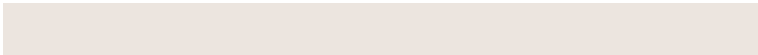
74.1214, 79.3745, 82.1136

Square

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



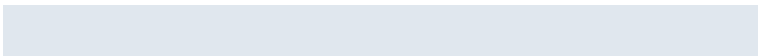
77.3764, 79.3745, 88.3334



76.1064, 79.3745, 81.0505



73.5422, 79.3745, 84.5450



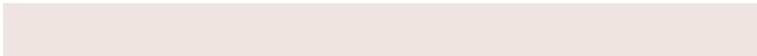
74.7836, 79.3745, 92.0327

Rectangle

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



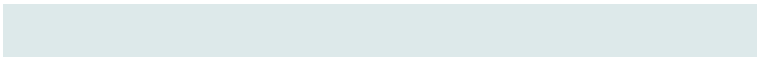
77.3764, 79.3745, 88.3334



77.1954, 79.3745, 83.4714



73.5422, 79.3745, 84.5450



73.7175, 79.3745, 89.4481

Sweetspot

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



77.3787, 79.3779, 88.3351



94.0599, 98.3110, 107.6720



76.2787, 78.7441, 91.3006



20.1431, 21.0604, 23.0592



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.



77.3787, 79.3779, 88.3351



90.2171, 91.7734, 102.8524



76.7583, 79.1298, 85.0681



16.0277, 16.2300, 18.2585



21.3947, 10.7606, 13.1456



1.7283, 0.8643, 1.2867

Inverse Universe

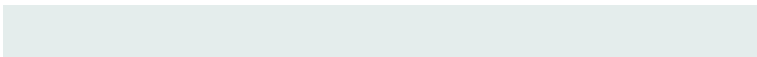
The Inverse Universe completely reimagines the original color for something new.



77.3787, 79.3779, 88.3351



90.2171, 91.7734, 102.8524



77.4800, 83.1436, 91.6279



16.0277, 16.2300, 18.2585



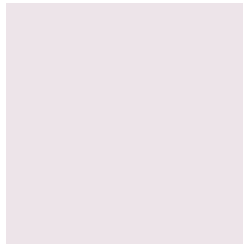
21.3947, 10.7606, 13.1456



1.7283, 0.8643, 1.2867

Previews

White Background



This preview shows how the XYZ color 77.3764, 79.3745, 88.3334 looks on a white background.

Color Contrast Check

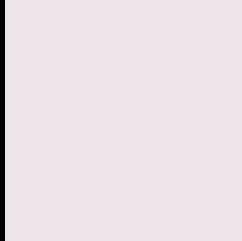
Large Text (above 18pt) WCAG AA × Fail

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 77.3764, 79.3745, 88.3334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

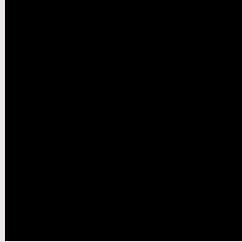
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

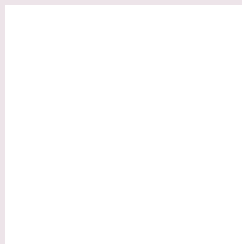
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.3764, 79.3745, 88.3334

Background



This preview shows how black text looks on a background with the XYZ color 77.3764, 79.3745, 88.3334.



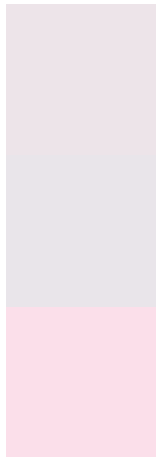
This preview shows how white text looks on a background with the XYZ color 77.3764, 79.3745,

88.3334.

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

77.3764, 79.3745, 88.3334

Protanopia

76.4749, 79.3028, 89.1182

Deuteranopia

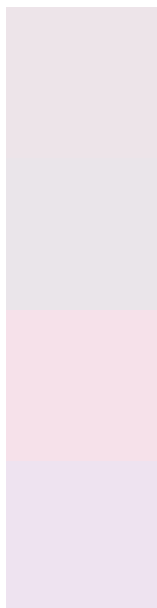
81.0226, 79.2251, 88.8635



Tritanopia

79.1221, 79.2751, 96.7194

Trichromacy



Original Color

77.3764, 79.3745, 88.3334

Protanomaly

76.8023, 79.4716, 89.1335

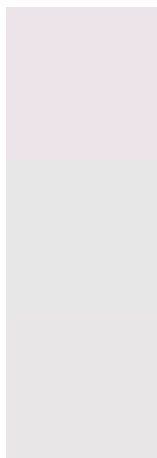
Deuteranomaly

79.7825, 79.3838, 88.9595

Tritanomaly

78.4572, 79.4066, 93.6299

Monochromacy



Original Color

77.3764, 79.3745, 88.3334

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

76.4666, 79.7435, 87.7057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3764, 79.3745, 88.3334 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(237, 228, 233) looks like.

```
.text, #text, p{  
    color:rgb(237, 228, 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(237, 228, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 228, 233) }
```

Border

The CSS property to change the border of an element to XYZ 77.3764, 79.3745, 88.3334 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(237, 228, 233) }
```


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

```
.border{ border-color:rgb(237, 228, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 228, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 228, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 228, 233);  
box-shadow:4px 4px 4px 4px rgb(237, 228,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3764, 79.3745, 88.3334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 228, 233) }
```

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

```
.background{ background-color: rgb(237,  
228, 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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