

Converting Colors

XYZ(77.4662, 80.1914, 88.6676)

Have a look what the booklet for
XYZ(77.4662, 80.1914, 88.6676)
contains.

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Color

**XYZ(77.5969, 80.3097,
88.5023)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE6E9
RGB	236, 230, 233
RGB Percent	93%, 90%, 91%
CMY	0.0745, 0.0980, 0.0863
CMYK	0.00, 0.03, 0.01, 0.07
HSL	330°, 14%, 91%
HSV	330°, 3%, 93%
XYZ	77.5969, 80.3097, 88.5023
YIQ	232.1360, 2.6130, 2.2050

Conversions

Conversions Part 2

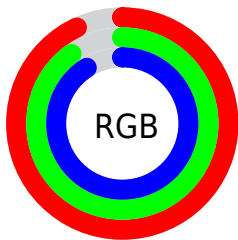
Format	Color
R _Y B	236, 230, 233
Decimal	15525609
CIE Lab	91.82, 2.55, -0.75
CIE LCh	92, 2.660, 343.687
Yxy	80.3097, 0.3149, 0.3259
Android (android.graphics.Color)	4293715689 (0xFFECE6E9)
YUV	232.1360, 0.4260, 3.3887
Hunter-Lab	89.6157, -2.2669, 4.1776

Details

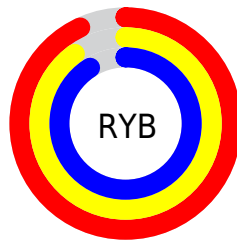
The XYZ color **77.5969, 80.3097, 88.5023** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.3396, 82.6993, 88.9813**, and the grayscale version is **76.8011, 80.8007, 87.9920**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0882, 43.5376, 47.7803** is the 20% darker color. If you saturate the color by 10%, you get **69.8386, 67.4020, 77.8709**, and if you desaturate by 10%, it is **86.3618, 95.0477, 100.0282**.

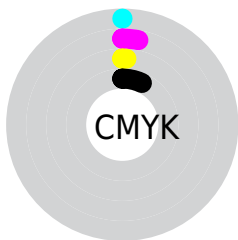
Distribution



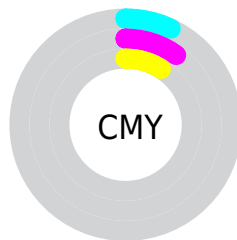
- Red (93%)
- Green (90%)
- Blue (91%)



- Red (93%)
- Yellow (90%)
- Blue (91%)



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



- Cyan (7%)
- Magenta (10%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5969, 80.3097, 88.5023 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 77.5969, 80.3097, 88.5023 by changing the saturation by 10% instead.

■ 77.5969, 80.3097,
88.5023

■ 77.5969, 80.3097,
88.5023

475.6576,
495.9759, 543.5906

■ 58.0445, 59.9732,
66.1724

128.9501,
133.8011, 147.1735

■ 42.0879, 43.3971,
47.9550

161.4816,
167.7248, 184.3520

■ 29.3615, 30.1968,
33.4315

199.0703,
206.9463, 227.3171

■ 19.5001, 19.9880,
22.1834

242.0814,
251.8501, 276.4873

■ 12.1383, 12.3863,
13.7921

290.8803,
302.8206, 332.2813

■ 6.9108, 7.0074,
7.8391

345.8324,

■ 3.4522, 3.4667,

360.2421, 395.1174

3.9059

407.3030,
424.4991, 465.4144

■ 1.3972, 1.3800,
1.5739

■ 0.2542, 0.2019,
0.2721

■ 77.5969, 80.3097,
88.5023

■ 77.5969, 80.3097,
88.5023

■ 69.8386, 67.4020,
77.8709

■ 86.3618, 95.0477,
100.0282

■ 63.0424, 56.2424,
68.1053

■ 88.4026, 96.5731,
108.5889

■ 57.1704, 46.7578,
59.1828

■ 52.1796, 38.8657,
51.0776

■ 48.0235, 32.4770,
43.7622

■ 44.6509, 27.4933,
37.2072

■ 42.0046, 23.8045,
31.3809

■ 40.0191, 21.2838,
26.2480

■ 38.6157, 19.7783,
21.7685

Harmonies

Analogous

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



77.2409, 80.3097, 90.1864



77.5969, 80.3097, 88.5023



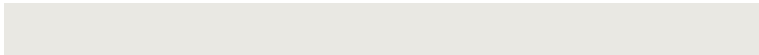
77.6126, 80.3097, 86.5584

Triad

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



77.5969, 80.3097, 88.5023



76.0222, 80.3097, 83.8467



75.3880, 80.3097, 90.0623

Complementary

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



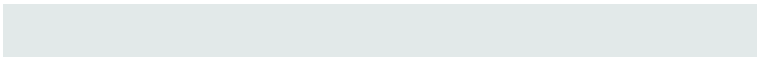
77.5969, 80.3097, 88.5023



77.3396, 82.6993, 88.9813

Split Complementary

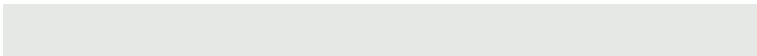
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.0655, 80.3097, 88.3349



77.5969, 80.3097, 88.5023



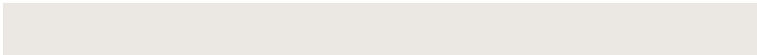
75.4302, 80.3097, 84.7570

Square

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



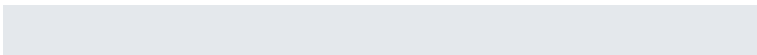
77.5969, 80.3097, 88.5023



76.7007, 80.3097, 83.8900



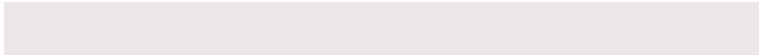
75.0808, 80.3097, 86.3934



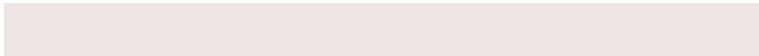
75.9644, 80.3097, 91.0962

Rectangle

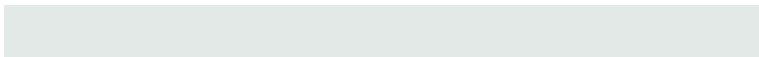
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.5969, 80.3097, 88.5023



77.4278, 80.3097, 85.3779



75.0808, 80.3097, 86.3934



75.2465, 80.3097, 89.5423

Sweetspot

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



77.5992, 80.3132, 88.5040



94.0371, 98.3019, 107.5524



77.0444, 79.9772, 90.7346



20.1385, 21.0585, 23.0349



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

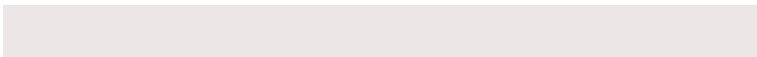
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5992, 80.3132, 88.5040



92.0477, 94.9717, 104.8893



77.1747, 80.1434, 86.2687



16.3298, 16.7624, 18.5801



20.9331, 10.5759, 10.7147



1.6923, 0.8499, 1.0971

Inverse Universe

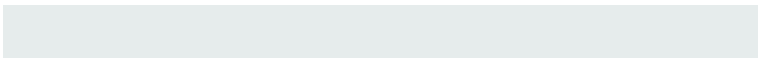
The Inverse Universe completely reimagines the original color for something new.



77.5992, 80.3132, 88.5040



92.0477, 94.9717, 104.8893



77.7714, 82.8720, 91.2550



16.3298, 16.7624, 18.5801



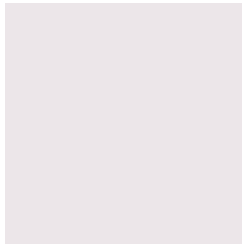
20.9331, 10.5759, 10.7147



1.6923, 0.8499, 1.0971

Previews

White Background



This preview shows how the XYZ color 77.5969, 80.3097, 88.5023 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 77.5969, 80.3097, 88.5023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

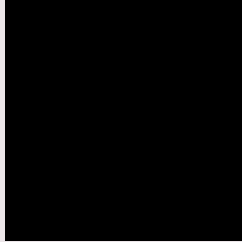
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

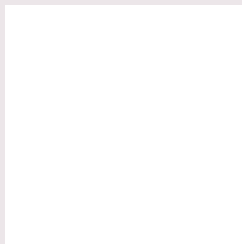
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.5969, 80.3097, 88.5023

Background



This preview shows how black text looks on a background with the XYZ color 77.5969, 80.3097, 88.5023.

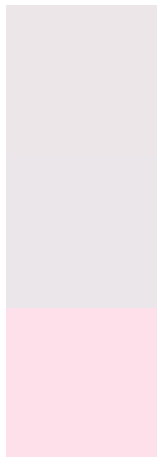


This preview shows how white text looks on a background with the XYZ color 77.5969, 80.3097,

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

77.5969, 80.3097, 88.5023

Protanopia

77.2657, 80.1390, 88.4868

Deuteranopia

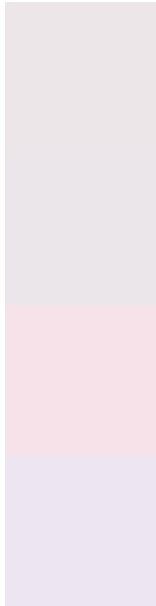
82.0150, 80.1345, 88.9867



Tritanopia

79.6379, 80.3178, 98.4943

Trichromacy



Original Color

77.5969, 80.3097, 88.5023

Protanomaly

77.2657, 80.1390, 88.4868

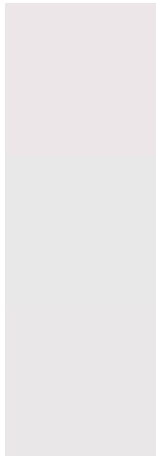
Deuteranomaly

80.4054, 80.1074, 89.0664

Tritanomaly

78.8215, 80.3940, 94.5823

Monochromacy



Original Color

77.5969, 80.3097, 88.5023

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.7457, 80.3017, 87.7988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5969, 80.3097, 88.5023 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, 233) looks like.

```
.text, #text, p{  
    color:rgb(236, 230, 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(236, 230, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 230, 233) }
```

Border

The CSS property to change the border of an element to XYZ 77.5969, 80.3097, 88.5023 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, 233) }
```


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

```
.border{ border-color:rgb(236, 230, 233) }
```

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, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 230, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 230, 233);  
box-shadow:4px 4px 4px 4px rgb(236, 230,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5969, 80.3097, 88.5023 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, 233) }
```

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

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