

Converting Colors

XYZ(77.2767, 80.4841, 82.4182)

Have a look what the booklet for
XYZ(77.2767, 80.4841, 82.4182)
contains.

XYZ(77.1473, 80.2070, 82.6496)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.1473, 80.2070,
82.6496)**

Conversions

Conversions Part 1

Format	Color
Hex	EEE6E1
RGB	238, 230, 225
RGB Percent	93%, 90%, 88%
CMY	0.0667, 0.0980, 0.1176
CMYK	0.00, 0.03, 0.05, 0.07
HSL	23°, 28%, 91%
HSV	23°, 5%, 93%
XYZ	77.1473, 80.2070, 82.6496
YIQ	231.8220, 6.3730, 0.1410

Conversions

Conversions Part 2

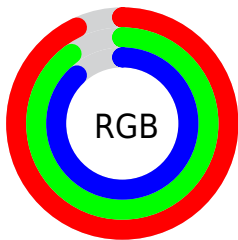
Format	Color
R _Y B	238, 233, 225
Decimal	15656673
CIE Lab	91.78, 1.85, 3.38
CIE LCh	92, 3.854, 61.359
Yxy	80.2070, 0.3214, 0.3342
Android (android.graphics.Color)	4293846753 (0xFFEEE6E1)
YUV	231.8220, -3.3632, 5.4181
Hunter-Lab	89.5584, -2.9638, 7.9746

Details

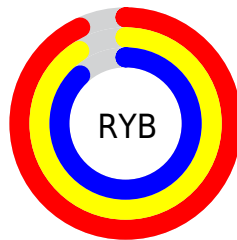
The XYZ color **77.1473, 80.2070, 82.6496** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.6228, 80.4572, 92.4339**, and the grayscale version is **76.5916, 80.5803, 87.7519**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8771, 43.5073, 44.2208** is the 20% darker color. If you saturate the color by 10%, you get **70.2207, 71.1920, 65.4231**, and if you desaturate by 10%, it is **84.8732, 90.0943, 102.3772**.

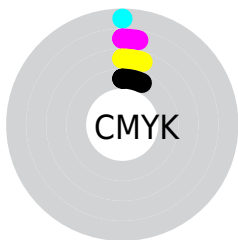
Distribution



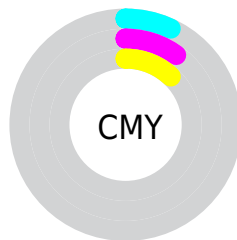
- Red (93%)
- Green (90%)
- Blue (88%)



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



- Cyan (0%)
- Magenta (3%)
- Yellow (5%)
- Black (7%)



- Cyan (7%)
- Magenta (10%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1473, 80.2070, 82.6496 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 77.1473, 80.2070, 82.6496 by changing the saturation by 10% instead.

77.1473, 80.2070,
82.6496

77.1473, 80.2070,
82.6496

474.1503,
495.6302, 523.7584

57.6741, 59.8887,
61.3622

128.3191,
133.6567, 138.9294

41.7890, 43.3289,
44.0851

160.7485,
167.5569, 174.7589

29.1265, 30.1433,
30.3997

198.2273,
206.7533, 216.2729

19.3213, 19.9474,
19.8876

241.1209,
251.6301, 263.8899

12.0080, 12.3568,
12.1301

289.7946,
302.5718, 318.0283

6.8214, 6.9872,
6.7087

344.6139,

3.3960, 3.4541,

359.9628, 379.1069

3.2049

405.9440,
424.1874, 447.5440

■ 1.3665, 1.3731,
1.2002

■ 0.2321, 0.1968,
0.0000

■ 77.1473, 80.2070,
82.6496

■ 77.1473, 80.2070,
82.6496

■ 70.2207, 71.1920,
65.4231

■ 84.8732, 90.0943,
102.3772

■ 64.0596, 63.0146,
50.5918

■ 89.0703, 96.9174,
108.6202

■ 58.6378, 55.6529,
38.0496

■ 53.9246, 49.0804,
27.6805

■ 49.8872, 43.2687,
19.3583

■ 46.4899, 38.1875,
12.9434

■ 43.6930, 33.8045,
8.2787

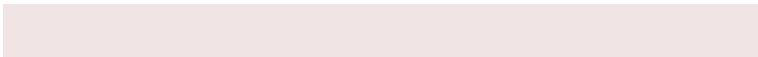
■ 41.4514, 30.0837,
5.1812

■ 39.7115, 26.9849,
3.4262

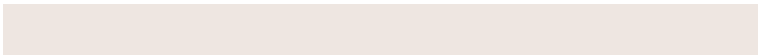
Harmonies

Analogous

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



77.8659, 80.2070, 84.5347



77.1473, 80.2070, 82.6496



76.1894, 80.2070, 82.0119

Triad

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



77.1473, 80.2070, 82.6496



74.3534, 80.2070, 87.4607



77.2259, 80.2070, 92.0540

Complementary

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



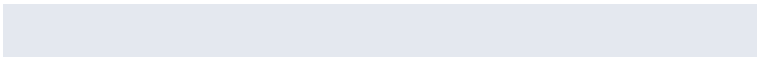
77.1473, 80.2070, 82.6496



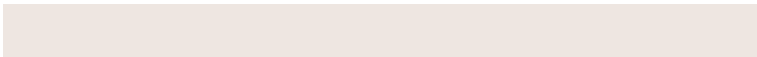
75.6228, 80.4572, 92.4339

Split Complementary

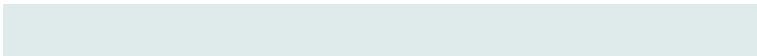
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.2794, 80.2070, 92.8769



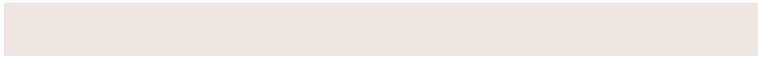
77.1473, 80.2070, 82.6496



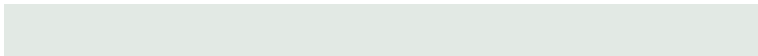
74.6258, 80.2070, 90.1899

Square

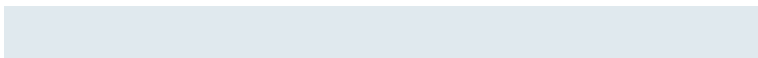
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.1473, 80.2070, 82.6496



74.5814, 80.2070, 84.7533



75.3286, 80.2070, 92.1876



77.9115, 80.2070, 89.9620

Rectangle

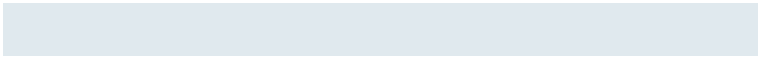
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



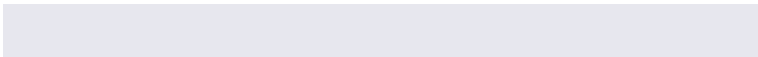
77.1473, 80.2070, 82.6496



75.5455, 80.2070, 82.3688



75.3286, 80.2070, 92.1876



76.9274, 80.2070, 92.4902

Sweetspot

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



77.1495, 80.2105, 82.6513



93.2471, 97.6908, 104.3018



76.8965, 77.9129, 88.0901



19.9776, 20.9341, 22.3730



0.0000, 0.0000, 0.0000



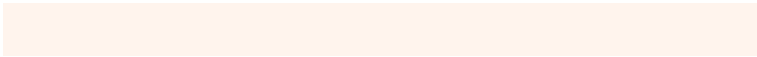
20.3446, 21.4041, 23.3091

Same Dimension

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



77.1495, 80.2105, 82.6513



88.9050, 92.0973, 93.3265



78.9863, 83.8840, 83.2636



16.5657, 17.1378, 17.2616



21.9041, 14.6062, 1.6648



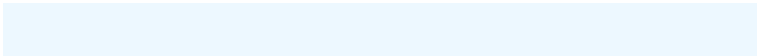
1.9157, 1.4021, 0.1697

Inverse Universe

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



75.6228, 80.4572, 92.4339



86.6322, 92.4644, 107.8892



73.8222, 76.8560, 91.8337



16.1079, 17.2118, 20.1948



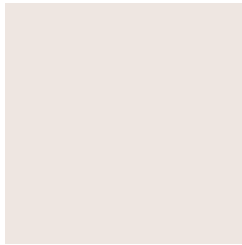
14.5067, 15.2376, 47.3044



1.3028, 1.4596, 3.9673

Previews

White Background



This preview shows how the XYZ color 77.1473, 80.2070, 82.6496 looks on a white background.

Color Contrast Check

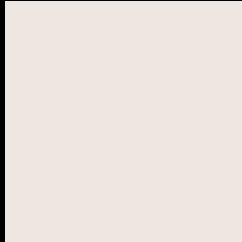
Large Text (above 18pt) WCAG AA × Fail

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 77.1473, 80.2070, 82.6496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

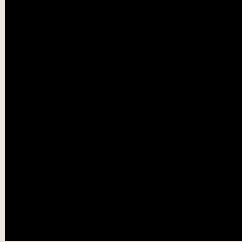
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

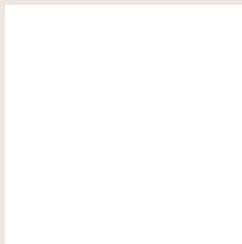
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.1473, 80.2070, 82.6496

Background



This preview shows how black text looks on a background with the XYZ color 77.1473, 80.2070, 82.6496.



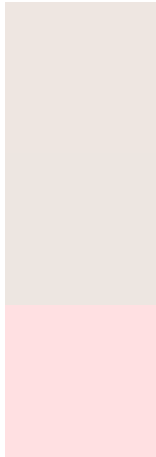
This preview shows how white text looks on a background with the XYZ color 77.1473, 80.2070,

82.6496.

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

77.1473, 80.2070, 82.6496

Protanopia

76.8125, 80.0344, 82.6339

Deuteranopia

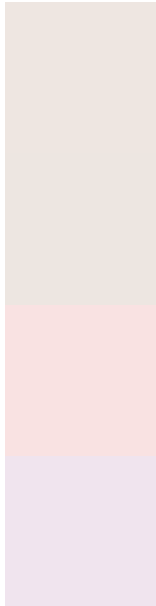
81.6231, 80.0623, 83.1031



Tritanopia

80.2261, 80.2315, 97.6441

Trichromacy



Original Color

77.1473, 80.2070, 82.6496

Protanomaly

76.8125, 80.0344, 82.6339

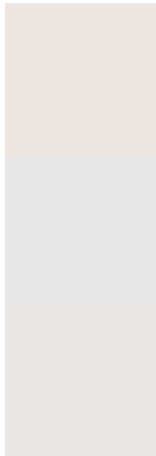
Deuteranomaly

79.9907, 80.0234, 83.1816

Tritanomaly

79.1112, 80.1851, 92.1966

Monochromacy



Original Color

77.1473, 80.2070, 82.6496

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.6505, 80.3014, 85.5885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1473, 80.2070, 82.6496 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(238, 230, 225) looks like.

```
.text, #text, p{  
    color:rgb(238, 230, 225)  
}
```

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(238, 230, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 230, 225) }
```

Border

The CSS property to change the border of an element to XYZ 77.1473, 80.2070, 82.6496 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(238, 230, 225) }
```


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

```
.border{ border-color:rgb(238, 230, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 230, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 230, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 230, 225);  
box-shadow:4px 4px 4px 4px rgb(238, 230,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1473, 80.2070, 82.6496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 230, 225) }
```

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

```
.background{ background-color: rgb(238,  
230, 225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor