

Converting Colors

XYZ(77.3010, 82.2618, 79.9135)

Have a look what the booklet for
XYZ(77.3010, 82.2618, 79.9135)
contains.

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Color

**XYZ(77.3515, 82.4700,
80.2480)**

Conversions

Conversions Part 1

Format	Color
Hex	ECEBDD
RGB	236, 235, 221
RGB Percent	93%, 92%, 87%
CMY	0.0745, 0.0784, 0.1333
CMYK	0.00, 0.00, 0.06, 0.07
HSL	56°, 28%, 90%
HSV	56°, 6%, 93%
XYZ	77.3515, 82.4700, 80.2480
YIQ	233.7030, 5.0900, -4.1420

Conversions

Conversions Part 2

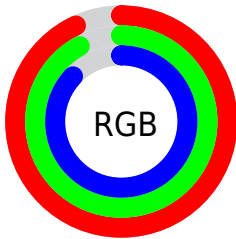
Format	Color
R_{YB}	222, 236, 221
Decimal	15526877
CIE Lab	92.78, -2.07, 6.90
CIE LCh	93, 7.202, 106.707
Yxy	82.4700, 0.3222, 0.3435
Android (android.graphics.Color)	4293716957 (0xFFECEBDD)
YUV	233.7030, -6.2626, 2.0145
Hunter-Lab	90.8130, -6.8824, 11.1768

Details

The XYZ color **77.3515, 82.4700, 80.2480** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **71.0802, 73.6695, 89.8310**, and the grayscale version is **78.0273, 82.0907, 89.3968**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8254, 44.6967, 42.4993** is the 20% darker color. If you saturate the color by 10%, you get **73.9802, 80.4099, 64.6864**, and if you desaturate by 10%, it is **81.1734, 84.7220, 98.1425**.

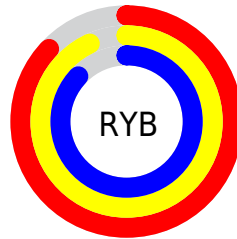
Distribution



Red (93%)

Green (92%)

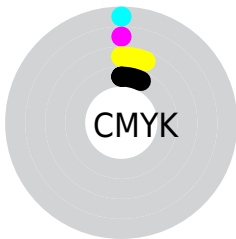
Blue (87%)



Red (87%)

Yellow (93%)

Blue (87%)

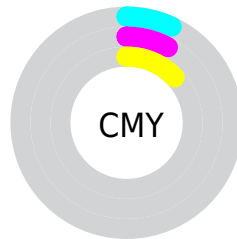


Cyan (0%)

Magenta (0%)

Yellow (6%)

Black (7%)



Cyan (7%)

Magenta (8%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3515, 82.4700, 80.2480 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 77.3515, 82.4700, 80.2480 by changing the saturation by 10% instead.

■ 77.3515, 82.4700,
80.2480

■ 77.3515, 82.4700,
80.2480

474.8352,
503.2185, 515.4970

■ 57.8423, 61.7530,
59.3951

128.6058,
136.8329, 135.5289

■ 41.9247, 44.8332,
42.5091

161.0816,
171.2476, 170.7940

■ 29.2332, 31.3260,
29.1716

198.6103,
210.9970, 211.7002

■ 19.4024, 20.8472,
18.9640

241.5573,
256.4656, 258.6660

■ 12.0672, 13.0124,
11.4677

290.2879,
308.0376, 312.1101

■ 6.8620, 7.4371,
6.2642

345.1676,

■ 3.4215, 3.7369,

366.0974, 372.4509

2.9350

406.5615,
431.0296, 440.1071

■ 1.3804, 1.5275,
1.0616

■ 0.2422, 0.3080,
0.0000

■ 77.3515, 82.4700,
80.2480

■ 77.3515, 82.4700,
80.2480

■ 73.9802, 80.4099,
64.6864

■ 81.1734, 84.7220,
98.1425

■ 71.0342, 78.5237,
51.3557

■ 83.2570, 86.2823,
106.8738

■ 68.4963, 76.8069,
40.1543

■ 83.7153, 87.1987,
107.0265

■ 66.3453, 75.2511,
30.9708

■ 84.1775, 88.1232,
107.1806

■ 64.5580, 73.8471,
23.6836

■ 84.6437, 89.0556,
107.3360

■ 63.1089, 72.5846,
18.1579

■ 85.1139, 89.9960,
107.4927

■ 61.9690, 71.4520,
14.2414

■ 85.5881, 90.9445,
107.6508

■ 61.1045, 70.4357,
11.7558

■ 86.0663, 91.9009,
107.8102

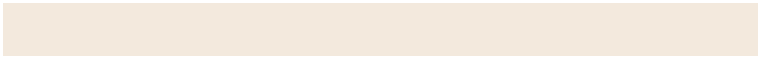
■ 60.4730, 69.5189,
10.4782

■ 86.5486, 92.8654,
107.9710

Harmonies

Analogous

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



79.2187, 82.4700, 80.1001



77.3515, 82.4700, 80.2480



75.7856, 82.4700, 82.8875

Triad

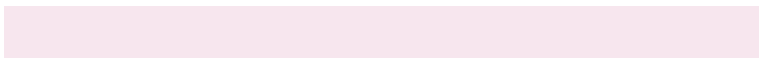
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.3515, 82.4700, 80.2480



75.9344, 82.4700, 97.5374



81.9532, 82.4700, 92.1954

Complementary

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



77.3515, 82.4700, 80.2480



71.0802, 73.6695, 89.8310

Split Complementary

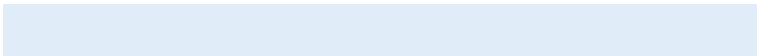
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.0437, 82.4700, 97.0777



77.3515, 82.4700, 80.2480



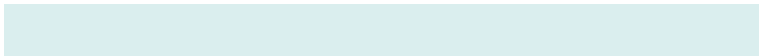
77.5577, 82.4700, 100.2439

Square

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



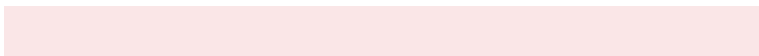
77.3515, 82.4700, 80.2480



74.9764, 82.4700, 92.8025



79.4282, 82.4700, 100.0724



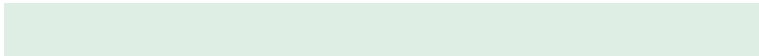
81.8959, 82.4700, 86.8548

Rectangle

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



77.3515, 82.4700, 80.2480



75.1143, 82.4700, 85.7670



79.4282, 82.4700, 100.0724



81.7498, 82.4700, 93.9488

Sweetspot

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



77.3538, 82.4736, 80.2498



94.1318, 99.4601, 104.5967



73.6343, 74.8208, 79.6693



20.1577, 21.2942, 22.4331



0.0000, 0.0000, 0.0000



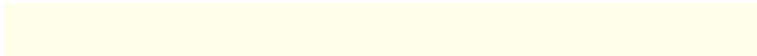
20.3446, 21.4041, 23.3091

Same Dimension

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



77.3538, 82.4736, 80.2498



91.5074, 97.8945, 92.3672



75.5204, 81.9526, 80.2459



16.2614, 17.4458, 16.0290



33.2627, 38.2196, 5.6240



2.6378, 3.0528, 0.4502

Inverse Universe

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



71.0802, 73.6695, 89.8310



82.1611, 84.7783, 106.6412



72.8343, 74.1825, 89.8375



14.3114, 14.7093, 19.0071



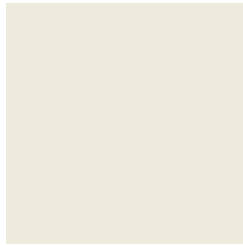
8.4772, 3.6015, 43.9913



0.6939, 0.3393, 3.4638

Previews

White Background



This preview shows how the XYZ color 77.3515, 82.4700, 80.2480 looks on a white background.

Color Contrast Check

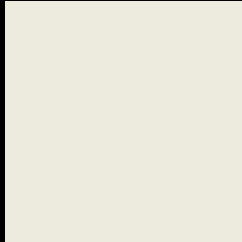
Large Text (above 18pt) WCAG AA × Fail

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 77.3515, 82.4700, 80.2480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

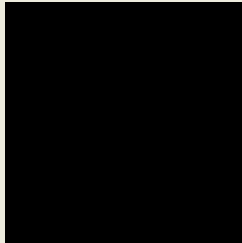
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

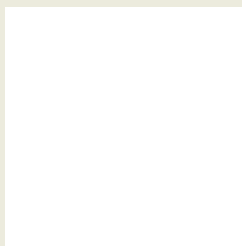
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.3515, 82.4700, 80.2480

Background



This preview shows how black text looks on a background with the XYZ color 77.3515, 82.4700, 80.2480.

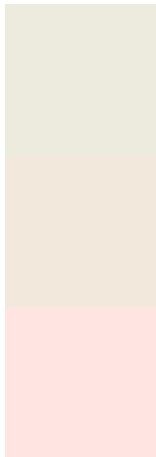


This preview shows how white text looks on a background with the XYZ color 77.3515, 82.4700,

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

77.3515, 82.4700, 80.2480

Protanopia

78.6751, 82.3224, 79.4533

Deuteranopia

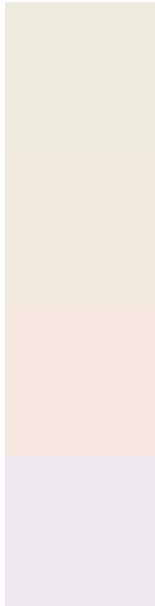
82.7109, 82.2378, 83.4657



Tritanopia

81.6100, 82.5166, 101.2485

Trichromacy



Original Color

77.3515, 82.4700, 80.2480

Protanomaly

78.2763, 82.5382, 79.5160

Deuteranomaly

80.7419, 82.4901, 82.1876

Tritanomaly

80.0332, 82.2959, 93.3279

Monochromacy



Original Color

77.3515, 82.4700, 80.2480

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.8266, 82.1649, 85.8863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3515, 82.4700, 80.2480 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, 235, 221) looks like.

```
.text, #text, p{  
    color:rgb(236, 235, 221)  
}
```

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, 235, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 235, 221) }
```

Border

The CSS property to change the border of an element to XYZ 77.3515, 82.4700, 80.2480 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, 235, 221) }
```


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

```
.border{ border-color:rgb(236, 235, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 235, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 235, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 235, 221);  
box-shadow:4px 4px 4px 4px rgb(236, 235,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3515, 82.4700, 80.2480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 235, 221) }
```

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

```
.background{ background-color: rgb(236,  
235, 221) }
```

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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