

Converting Colors

XYZ(77.9532, 82.7487, 81.6808)

Have a look what the booklet for
XYZ(77.9532, 82.7487, 81.6808)
contains.

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Color

**XYZ(77.9527, 82.7489,
81.6756)**

Conversions

Conversions Part 1

Format	Color
Hex	EDEBDF
RGB	237, 235, 223
RGB Percent	93%, 92%, 87%
CMY	0.0706, 0.0784, 0.1255
CMYK	0.00, 0.01, 0.06, 0.07
HSL	51°, 28%, 90%
HSV	51°, 6%, 93%
XYZ	77.9527, 82.7489, 81.6756
YIQ	234.2300, 5.0440, -3.3080

Conversions

Conversions Part 2

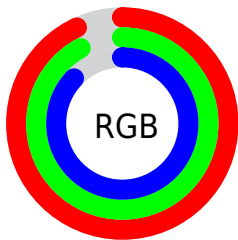
Format	Color
R _Y B	225, 237, 223
Decimal	15592415
CIE Lab	92.90, -1.39, 6.04
CIE LCh	93, 6.202, 102.970
Yxy	82.7489, 0.3216, 0.3414
Android (android.graphics.Color)	4293782495 (0xFFEDEBDF)
YUV	234.2300, -5.5364, 2.4293
Hunter-Lab	90.9664, -6.2276, 10.4421

Details

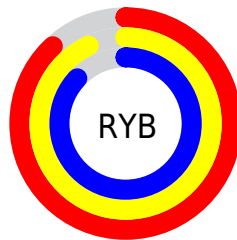
The XYZ color **77.9527, 82.7489, 81.6756** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.6427, 75.6518, 90.8954**, and the grayscale version is **78.4209, 82.5048, 89.8478**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2440, 44.8911, 43.4841** is the 20% darker color. If you saturate the color by 10%, you get **74.0212, 79.6459, 65.6884**, and if you desaturate by 10%, it is **82.3546, 86.0748, 100.0282**.

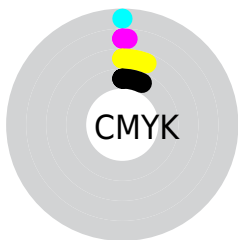
Distribution



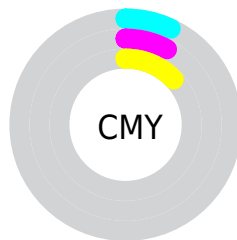
- Red (93%)
- Green (92%)
- Blue (87%)



- Red (88%)
- Yellow (93%)
- Blue (87%)



- Cyan (0%)
- Magenta (1%)
- Yellow (6%)
- Black (7%)



- Cyan (7%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9527, 82.7489, 81.6756 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 77.9527, 82.7489, 81.6756 by changing the saturation by 10% instead.

■ 77.9527, 82.7489,
81.6756

■ 77.9527, 82.7489,
81.6756

476.8484,
504.1493, 520.4169

■ 58.3378, 61.9830,
60.5639

129.4492,
137.2237, 137.5516

■ 42.3246, 45.0190,
43.4451

162.0614,
171.7015, 173.1530

■ 29.5477, 31.4724,
29.9005

199.7368,
211.5186, 214.4213

■ 19.6419, 20.9588,
19.5117

242.8407,
257.0596, 261.7752

■ 12.2418, 13.0939,
11.8600

291.7385,
308.7087, 315.6332

■ 6.9819, 7.4932,
6.5271

346.7954,

■ 3.4970, 3.7724,

366.8504, 376.4138

3.0942

408.3770,
431.8692, 444.5355

■ 1.4217, 1.5471,
1.1429

■ 0.2716, 0.3215,
0.0000

■ 77.9527, 82.7489,
81.6756

■ 77.9527, 82.7489,
81.6756

■ 74.0212, 79.6459,
65.6884

■ 82.3546, 86.0748,
100.0282

■ 70.5345, 76.7473,
51.9640

■ 84.6571, 88.5879,
107.2450

■ 67.4750, 74.0488,
40.3999

■ 85.6707, 90.6151,
107.5829

■ 64.8215, 71.5415,
30.8840

■ 86.7030, 92.6796,
107.9270

■ 62.5505, 69.2159,
23.2938

■ 87.7540, 94.7817,
108.2773

■ 60.6362, 67.0617,
17.4938

■ 88.7355, 96.7448,
108.6045

■ 59.0494, 65.0668,
13.3310

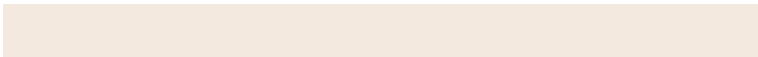
■ 57.7561, 63.2176,
10.6266

■ 56.7142, 61.4971,
9.1595

Harmonies

Analogous

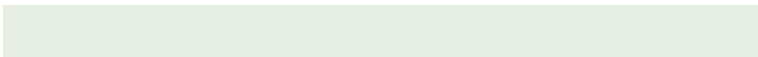
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.5670, 82.7489, 81.8291



77.9527, 82.7489, 81.6756



76.5444, 82.7489, 83.7228

Triad

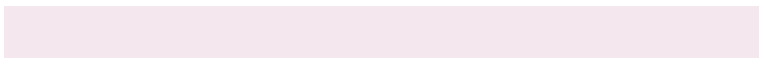
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9527, 82.7489, 81.6756



76.3911, 82.7489, 96.3235



81.6691, 82.7489, 92.7399

Complementary

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



77.9527, 82.7489, 81.6756



72.6427, 75.6518, 90.8954

Split Complementary

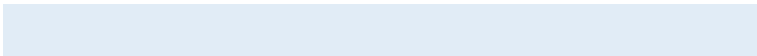
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7946, 82.7489, 96.7920



77.9527, 82.7489, 81.6756



77.7408, 82.7489, 98.9092

Square

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



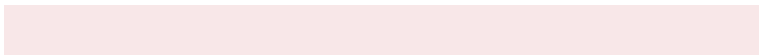
77.9527, 82.7489, 81.6756



75.6512, 82.7489, 92.1183



79.3521, 82.7489, 99.0835



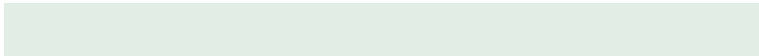
81.7278, 82.7489, 88.1104

Rectangle

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



77.9527, 82.7489, 81.6756



75.9058, 82.7489, 86.1023



79.3521, 82.7489, 99.0835



81.4603, 82.7489, 94.2185

Sweetspot

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



77.9550, 82.7525, 81.6774



94.0081, 99.2129, 104.5555



74.9181, 76.2228, 82.0707



20.1325, 21.2439, 22.4247



0.0000, 0.0000, 0.0000



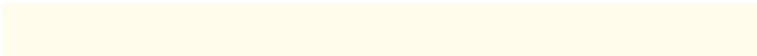
20.3446, 21.4041, 23.3091

Same Dimension

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



77.9550, 82.7525, 81.6774



91.5016, 97.2904, 94.1920



76.9158, 83.0698, 81.7934



16.3198, 17.3657, 16.6557



30.8292, 33.3527, 4.8128



2.4710, 2.7193, 0.3946

Inverse Universe

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



72.6427, 75.6518, 90.8954



84.0954, 87.3908, 107.0436



73.6381, 75.3686, 90.7883



14.8984, 15.4658, 19.1222



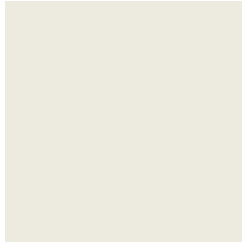
8.7108, 4.0686, 44.0692



0.7382, 0.4278, 3.4786

Previews

White Background



This preview shows how the XYZ color 77.9527, 82.7489, 81.6756 looks on a white background.

Color Contrast Check

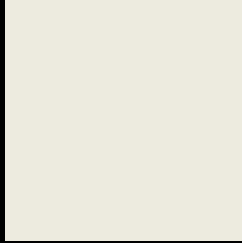
Large Text (above 18pt) WCAG AA × Fail

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 77.9527, 82.7489, 81.6756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

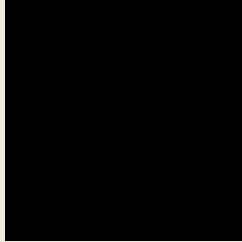
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

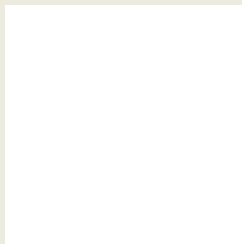
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.9527, 82.7489, 81.6756

Background



This preview shows how black text looks on a background with the XYZ color 77.9527, 82.7489, 81.6756.



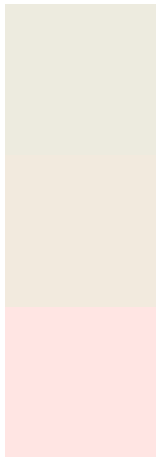
This preview shows how white text looks on a background with the XYZ color 77.9527, 82.7489, 81.6756.

81.6756.

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

77.9527, 82.7489, 81.6756

Protanopia

79.2256, 82.9968, 80.9516

Deuteranopia

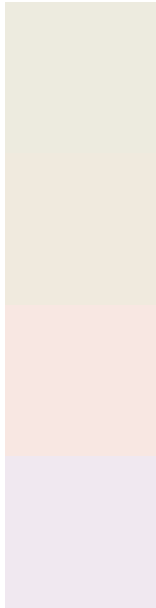
83.1244, 82.8447, 84.2825



Tritanopia

81.9504, 82.6922, 101.2645

Trichromacy



Original Color

77.9527, 82.7489, 81.6756

Protanomaly

78.5428, 82.6448, 80.9196

Deuteranomaly

81.0148, 82.5993, 83.6248

Tritanomaly

80.5200, 82.5298, 94.1241

Monochromacy



Original Color

77.9527, 82.7489, 81.6756

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.9667, 82.2210, 86.6239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9527, 82.7489, 81.6756 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, 235, 223) looks like.

```
.text, #text, p{  
    color:rgb(237, 235, 223)  
}
```

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, 235, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 235, 223) }
```

Border

The CSS property to change the border of an element to XYZ 77.9527, 82.7489, 81.6756 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, 235, 223) }
```


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

```
.border{ border-color:rgb(237, 235, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 235, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 235, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 235, 223);  
box-shadow:4px 4px 4px 4px rgb(237, 235,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9527, 82.7489, 81.6756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 235, 223) }
```

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

```
.background{ background-color: rgb(237,  
235, 223) }
```

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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