

Converting Colors

XYZ(77.7551, 82.7039, 81.3115)

Have a look what the booklet for
XYZ(77.7551, 82.7039, 81.3115)
contains.

XYZ(77.8182, 82.6951, 80.9675)	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(77.8182, 82.6951,
80.9675)**

Conversions

Conversions Part 1

Format	Color
Hex	EDEBDE
RGB	237, 235, 222
RGB Percent	93%, 92%, 87%
CMY	0.0706, 0.0784, 0.1294
CMYK	0.00, 0.01, 0.06, 0.07
HSL	52°, 29%, 90%
HSV	52°, 6%, 93%
XYZ	77.8182, 82.6951, 80.9675
YIQ	234.1160, 5.3650, -3.6190

Conversions

Conversions Part 2

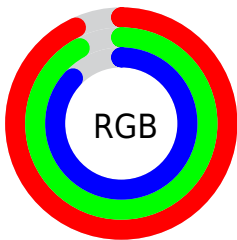
Format	Color
R _Y B	224, 237, 222
Decimal	15592414
CIE Lab	92.88, -1.56, 6.53
CIE LCh	93, 6.714, 103.433
Yxy	82.6951, 0.3223, 0.3425
Android (android.graphics.Color)	4293782494 (0xFFEDEBDE)
YUV	234.1160, -5.9732, 2.5293
Hunter-Lab	90.9368, -6.3901, 10.8657

Details

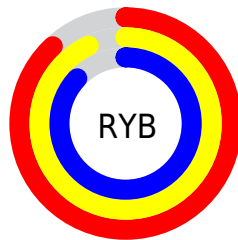
The XYZ color **77.8182, 82.6951, 80.9675** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **72.0659, 74.9542, 90.7911**, and the grayscale version is **78.3375, 82.4171, 89.7523**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1512, 44.8540, 42.9953** is the 20% darker color. If you saturate the color by 10%, you get **73.9685, 79.7262, 65.0988**, and if you desaturate by 10%, it is **82.1351, 85.8819, 99.1969**.

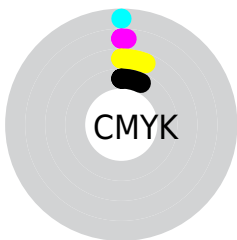
Distribution



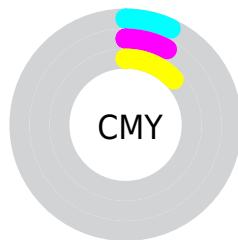
- Red (93%)
- Green (92%)
- Blue (87%)



- 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 77.8182, 82.6951, 80.9675 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 77.8182, 82.6951, 80.9675 by changing the saturation by 10% instead.

77.8182, 82.6951,
80.9675

77.8182, 82.6951,
80.9675

476.3985,
503.9698, 517.9799

58.2269, 61.9387,
59.9840

129.2605,
137.1483, 136.5488

42.2351, 44.9831,
42.9805

161.8423,
171.6139, 171.9837

29.4773, 31.4441,
29.5385

199.4849,
211.4180, 213.0727

19.5883, 20.9373,
19.2395

242.5538,
256.9450, 260.2345

12.2026, 13.0782,
11.6649

291.4142,
308.5793, 313.8876

6.9550, 7.4824,
6.3962

346.4315,

3.4801, 3.7656,

366.7052, 374.4505

3.0148

407.9712,
431.7073, 442.3418

■ 1.4124, 1.5433,
1.1022

■ 0.2651, 0.3189,
0.0000

■ 77.8182, 82.6951,
80.9675

■ 77.8182, 82.6951,
80.9675

■ 73.9685, 79.7262,
65.0988

■ 82.1351, 85.8819,
99.1969

■ 70.5605, 76.9567,
51.4877

■ 84.5232, 88.3201,
107.2004

■ 67.5766, 74.3823,
40.0317

■ 85.4662, 90.2063,
107.5147

■ 64.9953, 71.9941,
30.6181

■ 86.4256, 92.1249,
107.8345

■ 62.7931, 69.7826,
23.1241

■ 87.4012, 94.0762,
108.1597

■ 60.9443, 67.7374,
17.4134

■ 88.3932, 96.0603,
108.4904

■ 59.4194, 65.8466,
13.3322

■ 88.7355, 96.7447,
108.6045

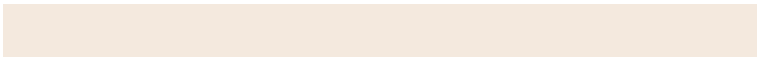
■ 58.1842, 64.0964,
10.7004

■ 57.1959, 62.4694,
9.2931

Harmonies

Analogous

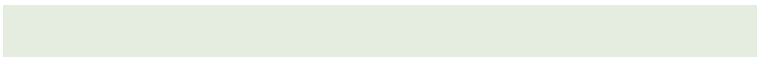
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.5650, 82.6951, 81.0950



77.8182, 82.6951, 80.9675



76.3028, 82.6951, 83.2060

Triad

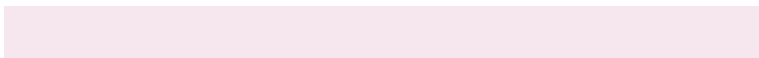
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8182, 82.6951, 80.9675



76.1750, 82.6951, 96.8473



81.8770, 82.6951, 92.8238

Complementary

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



77.8182, 82.6951, 80.9675



72.0659, 74.9542, 90.7911

Split Complementary

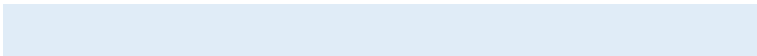
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.9412, 82.6951, 97.2402



77.8182, 82.6951, 80.9675



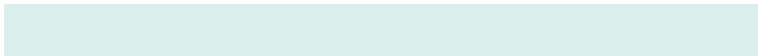
77.6413, 82.6951, 99.6216

Square

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



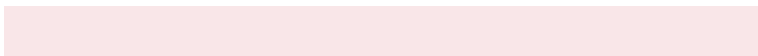
77.8182, 82.6951, 80.9675



75.3637, 82.6951, 92.3038



79.3854, 82.6951, 99.7680



81.9261, 82.6951, 87.8153

Rectangle

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



77.8182, 82.6951, 80.9675



75.6206, 82.6951, 85.7889



79.3854, 82.6951, 99.7680



81.6551, 82.6951, 94.4312

Sweetspot

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



77.8205, 82.6987, 80.9693



94.0236, 99.2437, 104.5607



74.5020, 75.6301, 81.1936



20.1357, 21.2502, 22.4257



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.



77.8205, 82.6987, 80.9693



91.0779, 97.0356, 92.2240



76.5867, 82.9156, 81.0762



16.1711, 17.2652, 15.9989



31.1185, 33.9312, 4.9093



2.4910, 2.7593, 0.4013

Inverse Universe

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



72.0659, 74.9542, 90.7911



82.5542, 85.5645, 106.7723



73.2450, 74.7705, 90.6935



14.3928, 14.8720, 19.0342



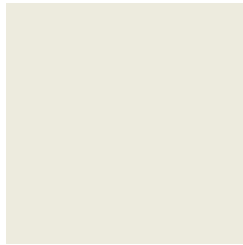
8.6741, 3.9951, 44.0569



0.7327, 0.4168, 3.4767

Previews

White Background



This preview shows how the XYZ color 77.8182, 82.6951, 80.9675 looks on a white background.

Color Contrast Check

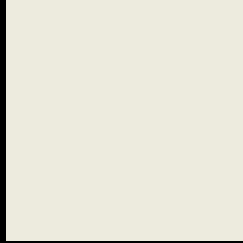
Large Text (above 18pt) WCAG AA × Fail

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 77.8182, 82.6951, 80.9675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

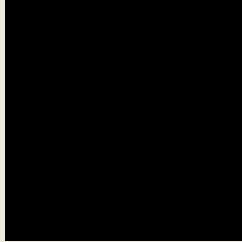
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

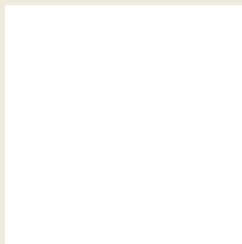
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8182, 82.6951, 80.9675

Background



This preview shows how black text looks on a background with the XYZ color 77.8182, 82.6951, 80.9675.



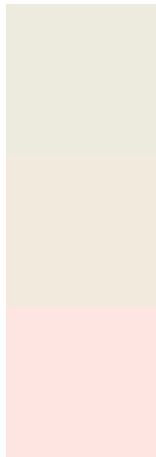
This preview shows how white text looks on a background with the XYZ color 77.8182, 82.6951,

80.9675.

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

77.8182, 82.6951, 80.9675

Protanopia

79.0919, 82.9433, 80.2477

Deuteranopia

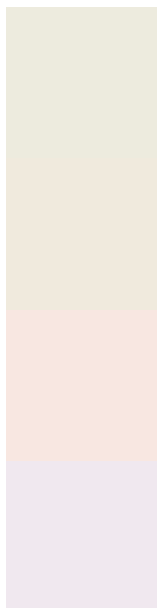
82.9868, 82.7896, 83.5576



Tritanopia

81.9504, 82.6922, 101.2645

Trichromacy



Original Color

77.8182, 82.6951, 80.9675

Protanomaly

78.4091, 82.5914, 80.2157

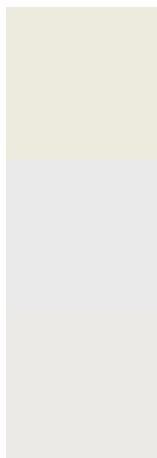
Deuteranomaly

80.8779, 82.5445, 82.9041

Tritanomaly

80.3718, 82.4705, 93.3437

Monochromacy



Original Color

77.8182, 82.6951, 80.9675

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 77.8182, 82.6951, 80.9675 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, 222) looks like.

```
.text, #text, p{  
    color:rgb(237, 235, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 235, 222) }
```

Border

The CSS property to change the border of an element to XYZ 77.8182, 82.6951, 80.9675 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, 222) }
```


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

```
.border{ border-color:rgb(237, 235, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 235, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 235, 222);  
box-shadow:4px 4px 4px 4px rgb(237, 235,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8182, 82.6951, 80.9675 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, 222) }
```

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

```
.background{ background-color: rgb(237,  
235, 222) }
```

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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