

Converting Colors

XYZ(77.6157, 80.7890, 77.0478)

Have a look what the booklet for
XYZ(77.6157, 80.7890, 77.0478)
contains.

XYZ(77.7182, 81.0388, 77.1915)	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(77.7182, 81.0388,
77.1915)**

Conversions

Conversions Part 1

Format	Color
Hex	F2E7D9
RGB	242, 231, 217
RGB Percent	95%, 91%, 85%
CMY	0.0510, 0.0941, 0.1490
CMYK	0.00, 0.05, 0.10, 0.05
HSL	34°, 49%, 90%
HSV	34°, 10%, 95%
XYZ	77.7182, 81.0388, 77.1915
YIQ	232.6930, 11.0500, -2.0220

Conversions

Conversions Part 2

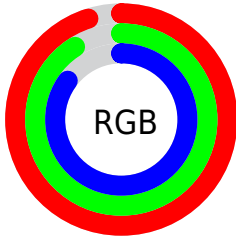
Format	Color
R _Y B	237, 242, 217
Decimal	15919065
CIE Lab	92.15, 1.39, 8.13
CIE LCh	92, 8.249, 80.268
Yxy	81.0388, 0.3294, 0.3435
Android (android.graphics.Color)	4294109145 (0xFFFF2E7D9)
YUV	232.6930, -7.7366, 8.1622
Hunter-Lab	90.0216, -3.4335, 12.1752

Details

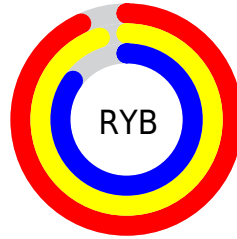
The XYZ color **77.7182, 81.0388, 77.1915** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.3854, 76.6479, 94.9845**, and the grayscale version is **77.2736, 81.2979, 88.5334**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1013, 43.7077, 40.3999** is the 20% darker color. If you saturate the color by 10%, you get **71.9102, 74.0956, 60.8479**, and if you desaturate by 10%, it is **84.1735, 88.5361, 96.0300**.

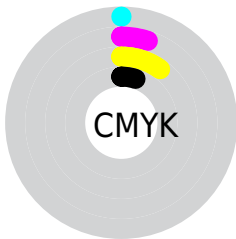
Distribution



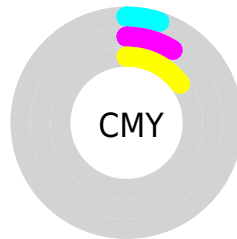
- Red (95%)
- Green (91%)
- Blue (85%)



- Red (93%)
- Yellow (95%)
- Blue (85%)



- Cyan (0%)
- Magenta (5%)
- Yellow (10%)
- Black (5%)



- Cyan (5%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7182, 81.0388, 77.1915 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 77.7182, 81.0388, 77.1915 by changing the saturation by 10% instead.

77.7182, 81.0388,
77.1915

77.7182, 81.0388,
77.1915

476.0637,
498.4268, 504.8717

58.1445, 60.5736,
56.8976

129.1203,
134.8252, 131.1852

42.1685, 43.8811,
40.5142

161.6793,
168.9152, 165.7221

29.4250, 30.5770,
27.6228

199.2976,
208.3156, 205.8438

19.5484, 20.2770,
17.8050

242.3403,
253.4107, 251.9686

12.1736, 12.5966,
10.6421

291.1730,
304.5850, 304.5153

6.9350, 7.1513,
5.7156

346.1609,

3.4675, 3.5569,

362.2229, 363.9024

2.6069

407.6693,
426.7087, 430.5483

■ 1.4055, 1.4289,
0.8960

■ 0.2602, 0.2379,
0.0000

■ 77.7182, 81.0388,
77.1915

■ 77.7182, 81.0388,
77.1915

■ 71.9102, 74.0956,
60.8479

■ 84.1735, 88.5361,
96.0300

■ 66.7195, 67.6814,
46.8876

■ 89.5708, 95.9024,
108.3979

■ 62.1238, 61.7847,
35.1981

■ 90.4283, 97.6174,
108.6837

■ 58.0962, 56.3895,
25.6557

■ 54.6079, 51.4784,
18.1248

■ 51.6267, 47.0331,
12.4542

■ 49.1162, 43.0329,
8.4708

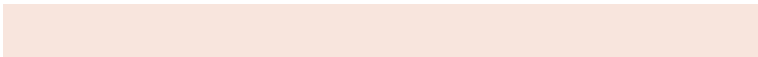
■ 47.0339, 39.4547,
5.9684

■ 45.3613, 36.3635,
4.6280

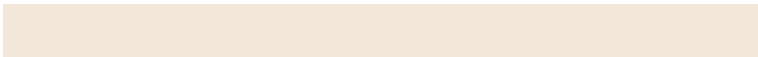
Harmonies

Analogous

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



79.6683, 81.0388, 79.5346



77.7182, 81.0388, 77.1915



75.6171, 81.0388, 77.7017

Triad

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



77.7182, 81.0388, 77.1915



73.2525, 81.0388, 92.3566



80.2125, 81.0388, 95.9364

Complementary

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



77.7182, 81.0388, 77.1915



72.3854, 76.6479, 94.9845

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.



78.4501, 81.0388, 99.6850



77.7182, 81.0388, 77.1915



74.4408, 81.0388, 97.5532

Square

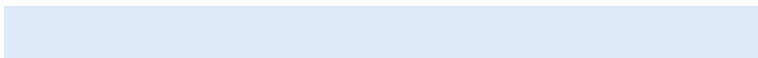
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7182, 81.0388, 77.1915



73.0647, 81.0388, 86.2727



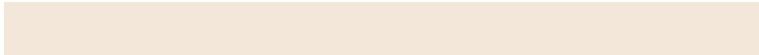
76.3358, 81.0388, 100.2899



81.1257, 81.0388, 90.2318

Rectangle

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



77.7182, 81.0388, 77.1915



74.4121, 81.0388, 79.6003



76.3358, 81.0388, 100.2899



79.6982, 81.0388, 97.4779

Sweetspot

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



77.7204, 81.0424, 77.1932



92.7786, 97.3891, 102.1871



75.4701, 74.1194, 83.9106



19.7309, 20.6980, 21.4977



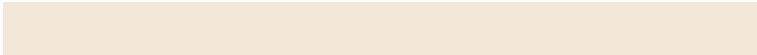
0.0000, 0.0000, 0.0000



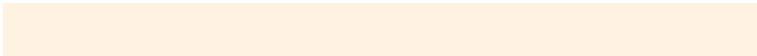
20.3446, 21.4041, 23.3091

Same Dimension

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



77.7204, 81.0424, 77.1932



86.3647, 89.8953, 83.6054



80.4677, 87.1716, 78.2315



16.5073, 17.2278, 16.6050



24.5068, 19.8117, 2.5324



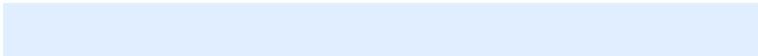
2.1377, 1.8460, 0.2437

Inverse Universe

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



72.3854, 76.6479, 94.9845



79.4479, 84.1979, 106.6722



69.8292, 70.9817, 94.0256



15.4693, 16.3728, 20.0665



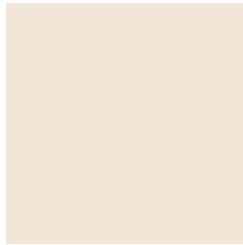
11.5337, 9.2917, 46.3135



1.0570, 0.9679, 3.8853

Previews

White Background



This preview shows how the XYZ color 77.7182, 81.0388, 77.1915 looks on a white background.

Color Contrast Check

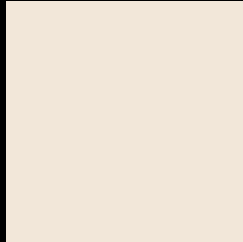
Large Text (above 18pt) WCAG AA × Fail

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 77.7182, 81.0388, 77.1915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

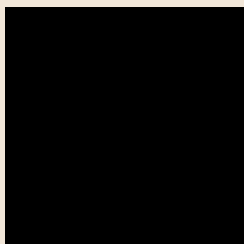
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

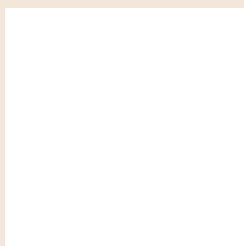
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.7182, 81.0388, 77.1915

Background



This preview shows how black text looks on a background with the XYZ color 77.7182, 81.0388, 77.1915.

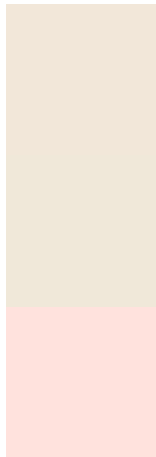


This preview shows how white text looks on a background with the XYZ color 77.7182, 81.0388,

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

77.7182, 81.0388, 77.1915

Protanopia

77.3162, 81.2482, 77.2531

Deuteranopia

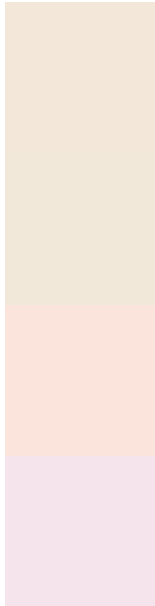
81.4875, 80.8732, 79.7218



Tritanopia

81.9566, 81.1236, 97.7250

Trichromacy



Original Color

77.7182, 81.0388, 77.1915

Protanomaly

77.6566, 81.4238, 77.2691

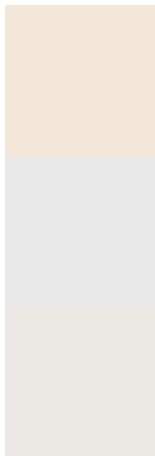
Deuteranomaly

80.0860, 80.9781, 79.1195

Tritanomaly

80.3950, 80.8974, 89.9748

Monochromacy



Original Color

77.7182, 81.0388, 77.1915

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.3138, 81.0921, 84.2505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7182, 81.0388, 77.1915 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(242, 231, 217) looks like.

```
.text, #text, p{  
    color:rgb(242, 231, 217)  
}
```

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(242, 231, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 231, 217) }
```

Border

The CSS property to change the border of an element to XYZ 77.7182, 81.0388, 77.1915 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(242, 231, 217) }
```


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

```
.border{ border-color:rgb(242, 231, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 231, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 231, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 231, 217);  
box-shadow:4px 4px 4px 4px rgb(242, 231,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7182, 81.0388, 77.1915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 231, 217) }
```

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

```
.background{ background-color: rgb(242,  
231, 217) }
```

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