

Converting Colors

XYZ(77.7931, 87.6390, 75.7680)

Have a look what the booklet for
XYZ(77.7931, 87.6390, 75.7680)
contains.

XYZ(77.9210, 87.7046, 75.7726)	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(77.9210, 87.7046,
75.7726)**

Conversions

Conversions Part 1

Format	Color
Hex	E7F6D5
RGB	231, 246, 213
RGB Percent	91%, 96%, 84%
CMY	0.0941, 0.0353, 0.1647
CMYK	0.06, 0.00, 0.13, 0.04
HSL	87°, 65%, 90%
HSV	87°, 13%, 96%
XYZ	77.9210, 87.7046, 75.7726
YIQ	237.7530, 1.6530, -13.4430

Conversions

Conversions Part 2

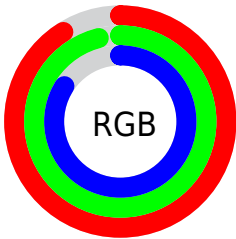
Format	Color
R _Y B	213, 246, 228
Decimal	15202005
CIE Lab	95.04, -10.65, 14.21
CIE LCh	95, 17.754, 126.842
Yxy	87.7046, 0.3228, 0.3633
Android (android.graphics.Color)	4293392085 (0xFFE7F6D5)
YUV	237.7530, -12.2032, -5.9224
Hunter-Lab	93.6507, -15.3699, 17.5841

Details

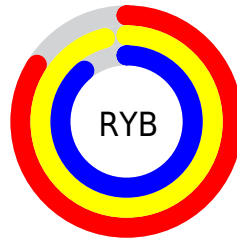
The XYZ color **77.9210, 87.7046, 75.7726** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.4273, 70.7388, 97.0301**, and the grayscale version is **81.1696, 85.3967, 92.9970**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2642, 48.4095, 39.4642** is the 20% darker color. If you saturate the color by 10%, you get **71.5377, 84.7503, 60.3921**, and if you desaturate by 10%, it is **85.0134, 90.9749, 93.6623**.

Distribution



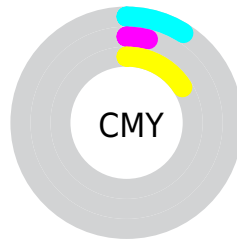
- Red (91%)
- Green (96%)
- Blue (84%)



- Red (84%)
- Yellow (96%)
- Blue (89%)



- Cyan (6%)
- Magenta (0%)
- Yellow (13%)
- Black (4%)



- Cyan (9%)
- Magenta (4%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9210, 87.7046, 75.7726 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 77.9210, 87.7046, 75.7726 by changing the saturation by 10% instead.

77.9210, 87.7046,
75.7726

77.9210, 87.7046,
75.7726

476.7424,
520.5354, 499.8950

58.3116, 66.0785,
55.7405

129.4047,
144.1458, 129.1626

42.3035, 48.3361,
39.5923

162.0098,
179.7297, 163.3575

29.5311, 34.0931,
26.9095

199.6774,
220.7349, 203.1105

19.6293, 22.9651,
17.2734

242.7731,
267.5459, 248.8401

12.2326, 14.5678,
10.2656

291.6620,
320.5471, 300.9648

6.9756, 8.5166,
5.4675

346.7097,

3.4930, 4.4273,

380.1228, 359.9031

2.4606

408.2813,
446.6574, 426.0737

■ 1.4195, 1.9153,
0.8192

■ 0.2701, 0.5576,
0.0000

■ 77.9210, 87.7046,
75.7726

■ 77.9210, 87.7046,
75.7726

■ 71.5377, 84.7503,
60.3921

■ 85.0134, 90.9749,
93.6623

■ 65.8310, 82.0900,
47.4030

■ 91.6503, 94.0872,
107.9379

■ 60.7758, 79.7159,
36.6863

■ 92.2476, 94.3951,
107.9659

■ 56.3428, 77.6159,
28.1109

■ 52.4999, 75.7764,
21.5319

■ 49.2114, 74.1827,
16.7867

■ 46.4365, 72.8180,
13.6872

■ 44.1267, 71.6621,
12.0044

■ 42.8149, 70.9968,
11.4472

Harmonies

Analogous

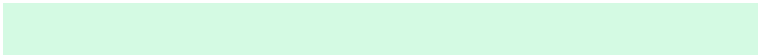
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.2603, 87.7046, 71.4713



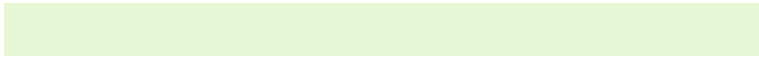
77.9210, 87.7046, 75.7726



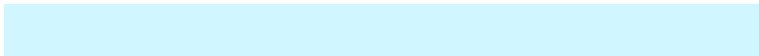
75.1190, 87.7046, 85.4238

Triad

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



77.9210, 87.7046, 75.7726



79.7654, 87.7046, 122.0642



92.9145, 87.7046, 92.3651

Complementary

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



77.9210, 87.7046, 75.7726



72.4273, 70.7388, 97.0301

Split Complementary

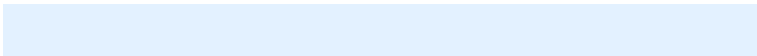
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.1840, 87.7046, 106.3291



77.9210, 87.7046, 75.7726



84.4707, 87.7046, 124.3771

Square

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



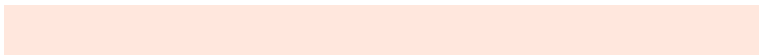
77.9210, 87.7046, 75.7726



76.1548, 87.7046, 112.3279



89.0476, 87.7046, 118.3741



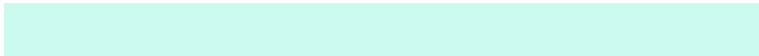
91.0071, 87.7046, 80.4345

Rectangle

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



77.9210, 87.7046, 75.7726



74.4369, 87.7046, 94.0394



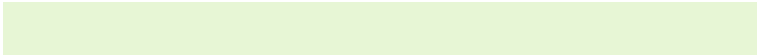
89.0476, 87.7046, 118.3741



92.9704, 87.7046, 96.9663

Sweetspot

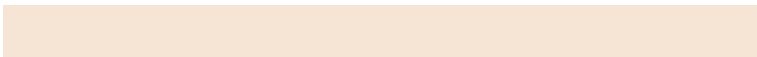
The Sweet Spot groups the original color and five complimentary colors.



77.9234, 87.7084, 75.7745



91.7653, 98.4914, 100.4004



77.7218, 79.8044, 74.2595



19.5124, 21.0218, 21.1586



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

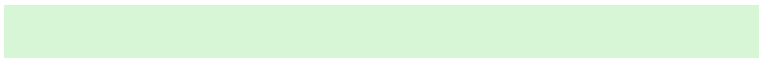
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9234, 87.7084, 75.7745



82.6651, 94.2954, 77.5962



72.8903, 85.1138, 75.5390



17.1459, 18.9173, 17.5453



23.0156, 37.9778, 6.1174



2.1412, 3.3989, 0.5432

Inverse Universe

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



72.4273, 70.7388, 97.0301



75.6697, 72.6959, 104.6512



77.8620, 73.5405, 97.2845



16.2968, 16.2957, 20.8290



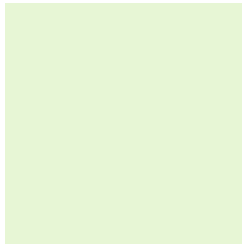
12.5918, 5.4656, 46.9293



1.2235, 0.5406, 4.1301

Previews

White Background



This preview shows how the XYZ color 77.9210, 87.7046, 75.7726 looks on a white background.

Color Contrast Check

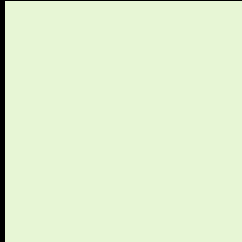
Large Text (above 18pt) WCAG AA × Fail

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 77.9210, 87.7046, 75.7726 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

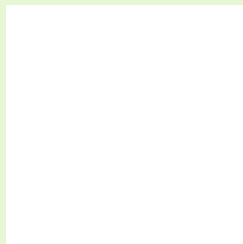
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.9210, 87.7046, 75.7726

Background



This preview shows how black text looks on a background with the XYZ color 77.9210, 87.7046, 75.7726.



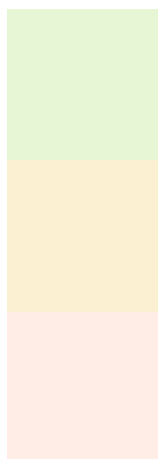
This preview shows how white text looks on a background with the XYZ color 77.9210, 87.7046,

75.7726.

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

77.9210, 87.7046, 75.7726

Protanopia

82.9378, 87.6688, 73.5232

Deuteranopia

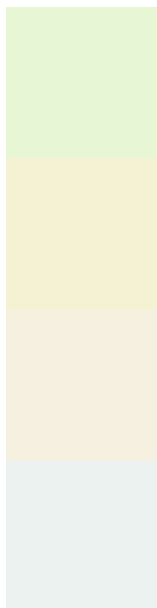
85.8071, 87.5415, 87.2376



Tritanopia

84.4700, 87.7173, 107.0868

Trichromacy



Original Color

77.9210, 87.7046, 75.7726

Protanomaly

80.8182, 87.4405, 74.2461

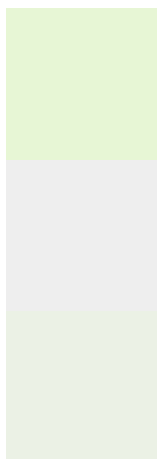
Deuteranomaly

82.6207, 87.2948, 83.0160

Tritanomaly

81.7413, 87.4577, 95.0109

Monochromacy



Original Color

77.9210, 87.7046, 75.7726

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

79.8591, 86.2299, 86.5638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9210, 87.7046, 75.7726 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(231, 246, 213) looks like.

```
.text, #text, p{  
    color:rgb(231, 246, 213)  
}
```

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(231, 246, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 246, 213) }
```

Border

The CSS property to change the border of an element to XYZ 77.9210, 87.7046, 75.7726 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(231, 246, 213) }
```


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

```
.border{ border-color:rgb(231, 246, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 246, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 246, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 246, 213);  
box-shadow:4px 4px 4px 4px rgb(231, 246,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9210, 87.7046, 75.7726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 246, 213) }
```

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

```
.background{ background-color: rgb(231,  
246, 213) }
```

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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