

Converting Colors

XYZ(77.3290, 87.5964, 74.0839)

Have a look what the booklet for
XYZ(77.3290, 87.5964, 74.0839)
contains.

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Color

**XYZ(77.2218, 87.3877,
73.7703)**

Conversions

Conversions Part 1

Format	Color
Hex	E6F6D2
RGB	230, 246, 210
RGB Percent	90%, 96%, 82%
CMY	0.0980, 0.0353, 0.1765
CMYK	0.07, 0.00, 0.15, 0.04
HSL	87°, 67%, 89%
HSV	87°, 15%, 96%
XYZ	77.2218, 87.3877, 73.7703
YIQ	237.1120, 2.0200, -14.5880

Conversions

Conversions Part 2

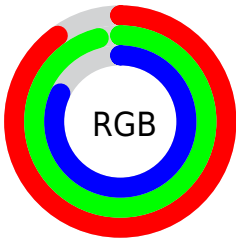
Format	Color
R_{YB}	210, 246, 226
Decimal	15136466
CIE _{Lab}	94.90, -11.47, 15.55
CIE _{LCh}	95, 19.326, 126.414
Yxy	87.3877, 0.3239, 0.3666
Android (android.graphics.Color)	4293326546 (0xFFE6F6D2)
YUV	237.1120, -13.3662, -6.2372
Hunter-Lab	93.4814, -16.1396, 18.6486

Details

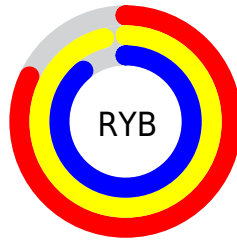
The XYZ color **77.2218, 87.3877, 73.7703** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.0486, 68.9182, 96.7513**, and the grayscale version is **80.6832, 84.8850, 92.4398**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7854, 48.1921, 38.1100** is the 20% darker color. If you saturate the color by 10%, you get **70.9901, 84.5051, 58.6910**, and if you desaturate by 10%, it is **84.1496, 90.5799, 91.3451**.

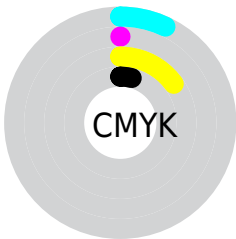
Distribution



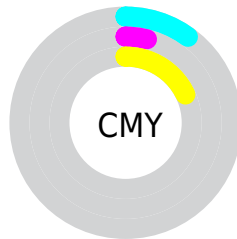
- Red (90%)
- Green (96%)
- Blue (82%)



- Red (82%)
- Yellow (96%)
- Blue (89%)



- Cyan (7%)
- Magenta (0%)
- Yellow (15%)
- Black (4%)



- Cyan (10%)
- Magenta (4%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2218, 87.3877, 73.7703 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 77.2218, 87.3877, 73.7703 by changing the saturation by 10% instead.

77.2218, 87.3877,
73.7703

77.2218, 87.3877,
73.7703

474.4003,
519.4960, 492.8224

57.7355, 65.8161,
54.1104

128.4237,
143.7044, 126.3012

41.8385, 48.1231,
38.2962

160.8700,
179.2183, 160.0092

29.1654, 33.9244,
25.9090

198.3670,
220.1484, 199.2371

19.3509, 22.8355,
16.5304

241.2801,
266.8791, 244.4033

12.0296, 14.4721,
9.7419

289.9746,
319.7948, 295.9264

6.8362, 8.4498,
5.1248

344.8159,

3.4053, 4.3841,

379.2800, 354.2249

2.2606

406.1694,
445.7189, 419.7174

■ 1.3715, 1.8906,
0.7090

■ 0.2358, 0.5427,
0.0000

■ 77.2218, 87.3877,
73.7703

■ 77.2218, 87.3877,
73.7703

■ 70.9901, 84.5051,
58.6910

■ 84.1496, 90.5799,
91.3451

■ 65.4220, 81.9100,
45.9883

■ 91.1062, 93.8067,
107.9124

■ 60.4926, 79.5949,
35.5423

■ 92.2475, 94.3951,
107.9658

■ 56.1726, 77.5476,
27.2202

■ 52.4296, 75.7546,
20.8754

■ 49.2280, 74.2011,
16.3426

■ 46.5265, 72.8701,
13.4298

■ 44.2756, 71.7412,
11.9014

■ 43.2167, 71.2039,
11.4660

Harmonies

Analogous

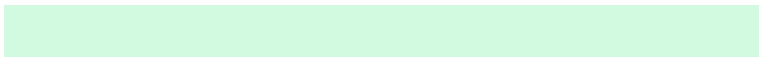
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.9391, 87.3877, 69.2637



77.2218, 87.3877, 73.7703



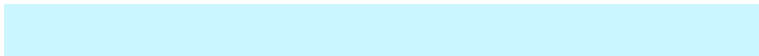
74.1650, 87.3877, 84.0672

Triad

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



77.2218, 87.3877, 73.7703



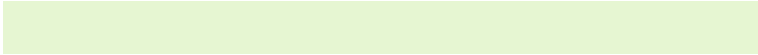
79.0935, 87.3877, 124.1153



93.4776, 87.3877, 91.9636

Complementary

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



77.2218, 87.3877, 73.7703



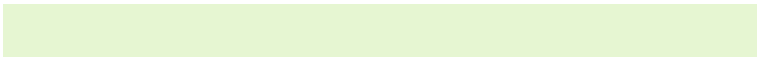
71.0486, 68.9182, 96.7513

Split Complementary

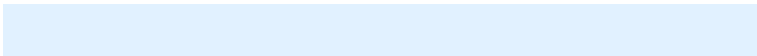
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.6379, 87.3877, 107.1671



77.2218, 87.3877, 73.7703



84.1899, 87.3877, 126.7960

Square

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



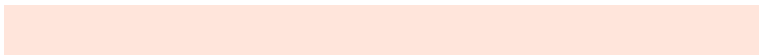
77.2218, 87.3877, 73.7703



75.2135, 87.3877, 113.3245



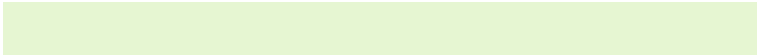
89.1840, 87.3877, 120.3072



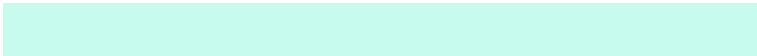
91.4328, 87.3877, 79.0312

Rectangle

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



77.2218, 87.3877, 73.7703



73.4056, 87.3877, 93.3574



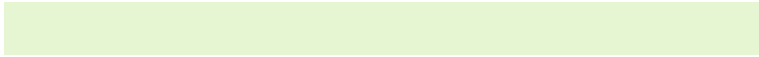
89.1840, 87.3877, 120.3072



93.5245, 87.3877, 96.9662

Sweetspot

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



77.2241, 87.3915, 73.7722



91.8024, 98.5105, 100.4021



76.7299, 78.4245, 72.0674



19.5218, 21.0267, 21.1590



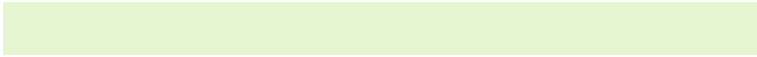
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

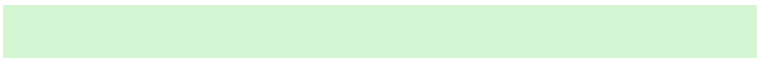
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2241, 87.3915, 73.7722



81.4088, 93.7219, 74.1860



71.8581, 84.6252, 73.5211



17.1626, 18.9258, 17.5461



23.2302, 38.0884, 6.1274



2.1598, 3.4085, 0.5441

Inverse Universe

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



71.0486, 68.9182, 96.7513



73.3491, 69.6110, 104.1781



76.8540, 71.9110, 97.0230



16.2804, 16.2872, 20.8282



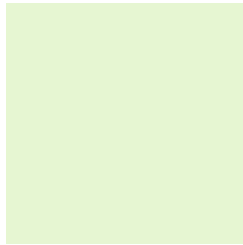
12.4240, 5.3791, 46.9215



1.2082, 0.5327, 4.1294

Previews

White Background



This preview shows how the XYZ color 77.2218, 87.3877, 73.7703 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 77.2218, 87.3877, 73.7703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

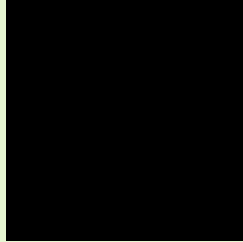
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

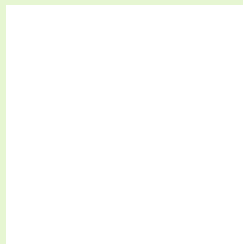
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.2218, 87.3877, 73.7703

Background



This preview shows how black text looks on a background with the XYZ color 77.2218, 87.3877, 73.7703.

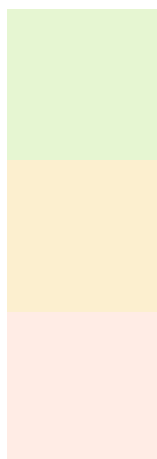


This preview shows how white text looks on a background with the XYZ color 77.2218, 87.3877,

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

77.2218, 87.3877, 73.7703

Protanopia

82.2739, 86.9334, 71.4750

Deuteranopia

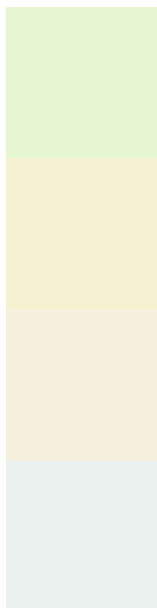
85.3783, 86.9080, 86.4038



Tritanopia

84.1764, 87.1301, 106.9890

Trichromacy



Original Color

77.2218, 87.3877, 73.7703

Protanomaly

80.4455, 87.2914, 72.2835

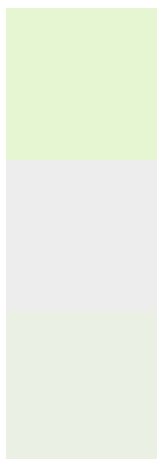
Deuteranomaly

82.3509, 87.1869, 81.5956

Tritanomaly

81.5931, 87.3984, 94.2305

Monochromacy



Original Color

77.2218, 87.3877, 73.7703

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

78.9569, 85.3587, 84.9874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2218, 87.3877, 73.7703 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(230, 246, 210) looks like.

```
.text, #text, p{  
    color:rgb(230, 246, 210)  
}
```

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(230, 246, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 246, 210) }
```

Border

The CSS property to change the border of an element to XYZ 77.2218, 87.3877, 73.7703 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(230, 246, 210) }
```


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

```
.border{ border-color:rgb(230, 246, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 246, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 246, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 246, 210);  
box-shadow:4px 4px 4px 4px rgb(230, 246,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2218, 87.3877, 73.7703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 246, 210) }
```

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

```
.background{ background-color: rgb(230,  
246, 210) }
```

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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