

Converting Colors

XYZ(77.6414, 87.1840, 72.4128)

Have a look what the booklet for
XYZ(77.6414, 87.1840, 72.4128)
contains.

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Color

**XYZ(77.6418, 87.1825,
72.4103)**

Conversions

Conversions Part 1

Format	Color
Hex	E9F5D0
RGB	233, 245, 208
RGB Percent	91%, 96%, 82%
CMY	0.0863, 0.0392, 0.1843
CMYK	0.05, 0.00, 0.15, 0.04
HSL	79°, 65%, 89%
HSV	79°, 15%, 96%
XYZ	77.6418, 87.1825, 72.4103
YIQ	237.1940, 4.7250, -14.0510

Conversions

Conversions Part 2

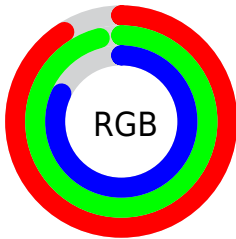
Format	Color
R _Y B	208, 245, 220
Decimal	15332816
CIE Lab	94.82, -10.25, 16.49
CIE LCh	95, 19.417, 121.875
Yxy	87.1825, 0.3273, 0.3675
Android (android.graphics.Color)	4293522896 (0xFFE9F5D0)
YUV	237.1940, -14.3926, -3.6781
Hunter-Lab	93.3716, -14.9711, 19.3803

Details

The XYZ color **77.6418, 87.1825, 72.4103** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.5560, 66.9224, 95.6949**, and the grayscale version is **80.7525, 84.9579, 92.5192**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1618, 48.0754, 37.6292** is the 20% darker color. If you saturate the color by 10%, you get **72.3213, 84.7641, 57.6233**, and if you desaturate by 10%, it is **83.5496, 89.8550, 89.6590**.

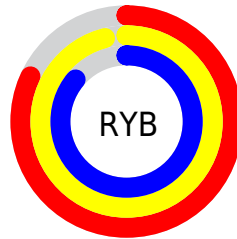
Distribution



Red (91%)

Green (96%)

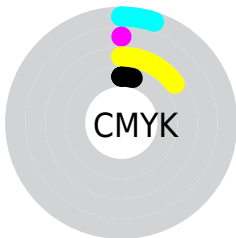
Blue (82%)



Red (82%)

Yellow (96%)

Blue (86%)

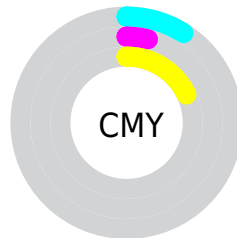


Cyan (5%)

Magenta (0%)

Yellow (15%)

Black (4%)



Cyan (9%)

Magenta (4%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6418, 87.1825, 72.4103 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 77.6418, 87.1825, 72.4103 by changing the saturation by 10% instead.

77.6418, 87.1825,
72.4103

77.6418, 87.1825,
72.4103

475.8079,
518.8224, 487.9843

58.0815, 65.6462,
53.0050

129.0131,
143.4185, 124.3528

42.1177, 47.9853,
37.4190

161.5548,
178.8870, 157.7272

29.3850, 33.8152,
25.2338

199.1544,
219.7684, 196.5950

19.5180, 22.7517,
16.0307

242.1773,
266.4471, 241.3747

12.1514, 14.4103,
9.3913

290.9887,
319.3074, 292.4850

6.9198, 8.4066,
4.8970

345.9540,

3.4579, 4.3562,

378.7338, 350.3443

2.1293

407.4386,
445.1107, 415.3713

■ 1.4003, 1.8747,
0.6331

■ 0.2564, 0.5331,
0.0000

■ 77.6418, 87.1825,
72.4103

■ 77.6418, 87.1825,
72.4103

■ 72.3213, 84.7641,
57.6233

■ 83.5496, 89.8550,
89.6590

■ 67.5583, 82.5792,
45.1800

■ 89.7348, 92.6494,
107.7613

■ 63.3306, 80.6215,
34.9613

■ 91.9442, 93.7884,
107.8647

■ 59.6115, 78.8802,
26.8353

■ 56.3718, 77.3435,
20.6563

■ 53.5786, 75.9980,
16.2599

■ 51.1939, 74.8283,
13.4543

■ 49.1712, 73.8155,
12.0040

■ 48.2795, 73.3635,
11.6160

Harmonies

Analogous

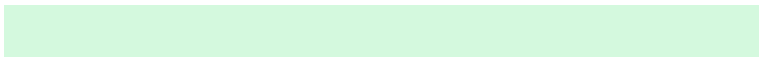
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.5342, 87.1825, 68.8401



77.6418, 87.1825, 72.4103



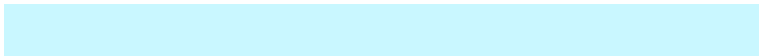
74.2680, 87.1825, 81.9275

Triad

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



77.6418, 87.1825, 72.4103



78.1915, 87.1825, 122.8063



93.3801, 87.1825, 93.9831

Complementary

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



77.6418, 87.1825, 72.4103



68.5560, 66.9224, 95.6949

Split Complementary

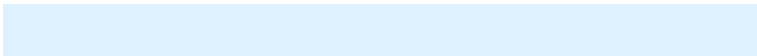
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.0997, 87.1825, 109.2335



77.6418, 87.1825, 72.4103



83.1954, 87.1825, 126.8896

Square

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



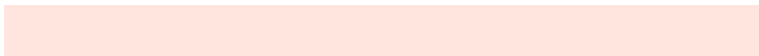
77.6418, 87.1825, 72.4103



74.5757, 87.1825, 111.0444



88.3160, 87.1825, 121.6855



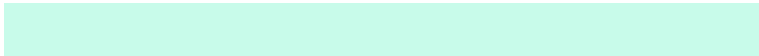
91.7454, 87.1825, 80.4497

Rectangle

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



77.6418, 87.1825, 72.4103



73.2577, 87.1825, 90.8951



88.3160, 87.1825, 121.6855



93.2762, 87.1825, 99.0762

Sweetspot

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



77.6441, 87.1863, 72.4122



91.5591, 98.4297, 98.3746



74.5634, 75.0072, 70.2237



19.4953, 21.0220, 20.7517



0.0000, 0.0000, 0.0000



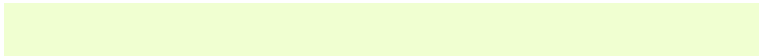
20.3446, 21.4041, 23.3091

Same Dimension

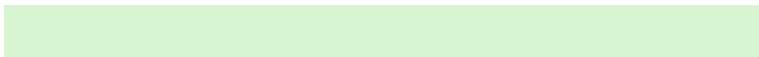
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6441, 87.1863, 72.4122



83.2531, 94.6727, 74.2723



72.0011, 84.2772, 72.1481



17.3616, 19.0284, 17.5554



26.1590, 39.5983, 6.2645



2.4065, 3.5357, 0.5556

Inverse Universe

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



68.5560, 66.9224, 95.6949



71.6128, 68.7159, 104.0968



74.3731, 69.9212, 95.9672



16.0874, 16.1877, 20.8192



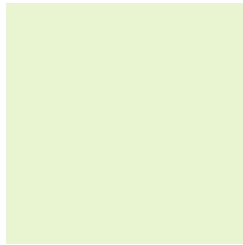
10.7661, 4.5245, 46.8439



1.0495, 0.4509, 4.1220

Previews

White Background



This preview shows how the XYZ color 77.6418, 87.1825, 72.4103 looks on a white background.

Color Contrast Check

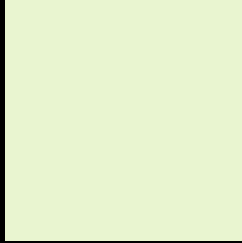
Large Text (above 18pt) WCAG AA × Fail

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 77.6418, 87.1825, 72.4103 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

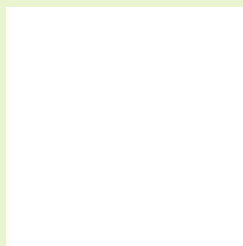
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.6418, 87.1825, 72.4103

Background



This preview shows how black text looks on a background with the XYZ color 77.6418, 87.1825, 72.4103.

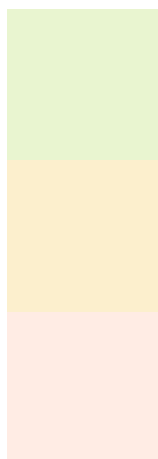


This preview shows how white text looks on a background with the XYZ color 77.6418, 87.1825,

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

77.6418, 87.1825, 72.4103

Protanopia

82.0308, 86.8362, 70.1952

Deuteranopia

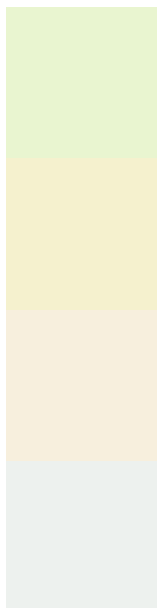
85.2390, 86.8523, 85.6704



Tritanopia

84.5597, 86.8943, 106.9233

Trichromacy



Original Color

77.6418, 87.1825, 72.4103

Protanomaly

80.2521, 86.7793, 70.9129

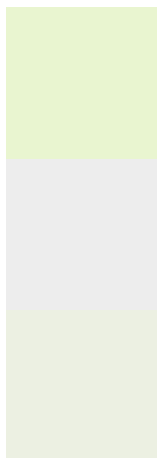
Deuteranomaly

82.2754, 86.7276, 80.8103

Tritanomaly

81.8130, 87.0882, 93.3866

Monochromacy



Original Color

77.6418, 87.1825, 72.4103

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.4796, 85.6440, 84.2934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6418, 87.1825, 72.4103 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(233, 245, 208) looks like.

```
.text, #text, p{  
    color:rgb(233, 245, 208)  
}
```

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(233, 245, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 245, 208) }
```

Border

The CSS property to change the border of an element to XYZ 77.6418, 87.1825, 72.4103 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(233, 245, 208) }
```


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

```
.border{ border-color:rgb(233, 245, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 245, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 245, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 245, 208);  
box-shadow:4px 4px 4px 4px rgb(233, 245,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6418, 87.1825, 72.4103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 245, 208) }
```

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

```
.background{ background-color: rgb(233,  
245, 208) }
```

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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