

Converting Colors

XYZ(77.7498, 88.7222, 74.4201)

Have a look what the booklet for
XYZ(77.7498, 88.7222, 74.4201)
contains.

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Color

**XYZ(77.6384, 88.4960,
74.6175)**

Conversions

Conversions Part 1

Format	Color
Hex	E5F8D3
RGB	229, 248, 211
RGB Percent	90%, 97%, 83%
CMY	0.1020, 0.0274, 0.1725
CMYK	0.08, 0.00, 0.15, 0.03
HSL	91°, 73%, 90%
HSV	91°, 15%, 97%
XYZ	77.6384, 88.4960, 74.6175
YIQ	238.1010, 0.5530, -15.5350

Conversions

Conversions Part 2

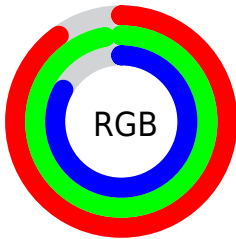
Format	Color
R _Y B	211, 248, 230
Decimal	15071443
CIE Lab	95.37, -12.65, 15.69
CIE LCh	95, 20.150, 128.875
Yxy	88.4960, 0.3225, 0.3676
Android (android.graphics.Color)	4293261523 (0xFFE5F8D3)
YUV	238.1010, -13.3608, -7.9816
Hunter-Lab	94.0723, -17.3095, 18.8222

Details

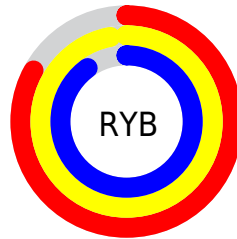
The XYZ color **77.6384, 88.4960, 74.6175** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.8742, 70.1913, 98.5191**, and the grayscale version is **81.4483, 85.6899, 93.3163**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0840, 48.9838, 38.6892** is the 20% darker color. If you saturate the color by 10%, you get **70.8505, 85.3313, 59.3031**, and if you desaturate by 10%, it is **85.2091, 92.0140, 92.4761**.

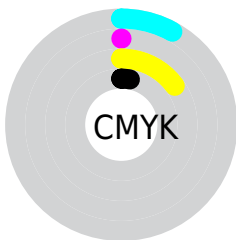
Distribution



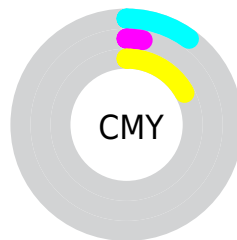
- Red (90%)
- Green (97%)
- Blue (83%)



- Red (83%)
- Yellow (97%)
- Blue (90%)



- Cyan (8%)
- Magenta (0%)
- Yellow (15%)
- Black (3%)



- Cyan (10%)
- Magenta (3%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6384, 88.4960, 74.6175 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 77.6384, 88.4960, 74.6175 by changing the saturation by 10% instead.

77.6384, 88.4960,
74.6175

77.6384, 88.4960,
74.6175

475.7965,
523.1262, 495.8221

58.0787, 66.7339,
54.7997

129.0083,
145.2475, 127.5129

42.1155, 48.8684,
38.8439

161.5493,
181.0057, 161.4276

29.3832, 34.5151,
26.3314

199.1481,
222.1981, 200.8784

19.5166, 23.2896,
16.8438

242.1700,
269.2090, 246.2837

12.1504, 14.8075,
9.9624

290.9805,
322.4229, 298.0623

6.9191, 8.6844,
5.2687

345.9448,

3.4574, 4.5359,

382.2241, 356.6325

2.3443

407.4284,
448.9971, 422.4129

■ 1.4000, 1.9776,
0.7559

■ 0.2562, 0.5944,
0.0000

■ 77.6384, 88.4960,
74.6175

■ 77.6384, 88.4960,
74.6175

■ 70.8505, 85.3313,
59.3031

■ 85.2091, 92.0140,
92.4761

■ 64.8099, 82.4963,
46.4114

■ 92.6666, 95.5191,
108.1607

■ 59.4888, 79.9821,
35.8196

■ 92.8592, 95.6184,
108.1697

■ 54.8547, 77.7749,
27.3917

■ 50.8721, 75.8596,
20.9778

■ 47.5014, 74.2196,
16.4083

■ 44.6977, 72.8361,
13.4862

■ 42.4070, 71.6864,
11.9691

■ 41.4030, 71.1769,
11.5563

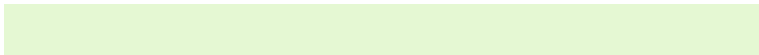
Harmonies

Analogous

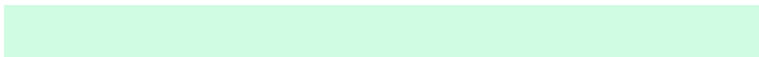
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4891, 88.4960, 69.3852



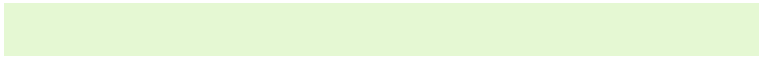
77.6384, 88.4960, 74.6175



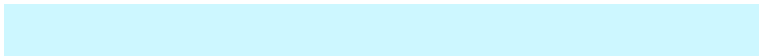
74.6142, 88.4960, 85.8326

Triad

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



77.6384, 88.4960, 74.6175



80.3528, 88.4960, 127.5142



95.0182, 88.4960, 91.7521

Complementary

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



77.6384, 88.4960, 74.6175



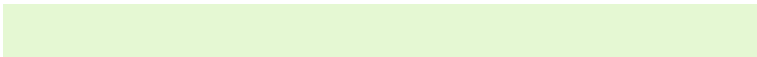
72.8742, 70.1913, 98.5191

Split Complementary

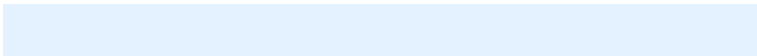
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.3851, 88.4960, 107.7086



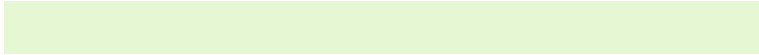
77.6384, 88.4960, 74.6175



85.7576, 88.4960, 129.5443

Square

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



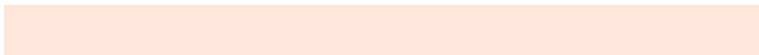
77.6384, 88.4960, 74.6175



76.1331, 88.4960, 116.6780



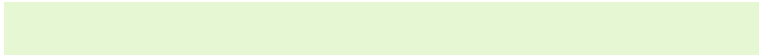
90.9375, 88.4960, 121.9555



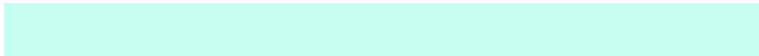
92.6314, 88.4960, 78.5442

Rectangle

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



77.6384, 88.4960, 74.6175



73.9608, 88.4960, 95.7630



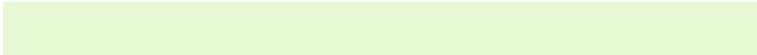
90.9375, 88.4960, 121.9555



95.1537, 88.4960, 96.9537

Sweetspot

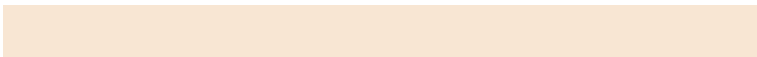
The Sweet Spot groups the original color and five complimentary colors.



77.6408, 88.4998, 74.6194



91.5498, 98.3803, 100.3903



78.6305, 80.9787, 73.1155



19.4578, 20.9937, 21.1560



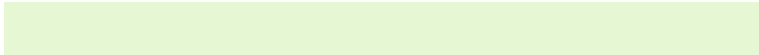
0.0000, 0.0000, 0.0000



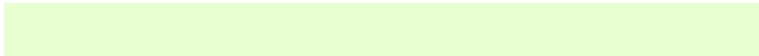
20.3446, 21.4041, 23.3091

Same Dimension

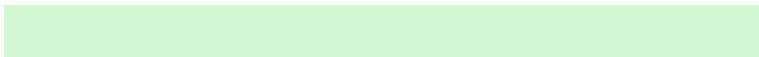
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6408, 88.4998, 74.6194



80.3738, 93.1884, 74.1375



72.1919, 85.6908, 74.3644



17.8211, 19.7235, 18.3301



22.5254, 38.5306, 6.2499



2.2081, 3.6314, 0.5846

Inverse Universe

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



72.8742, 70.1913, 98.5191



74.3728, 70.1388, 104.2260



78.9524, 73.3247, 98.8035



17.1332, 17.0813, 21.7793



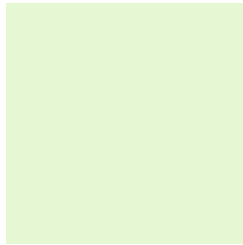
14.0734, 6.1978, 48.4281



1.4259, 0.6371, 4.4910

Previews

White Background



This preview shows how the XYZ color 77.6384, 88.4960, 74.6175 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 77.6384, 88.4960, 74.6175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

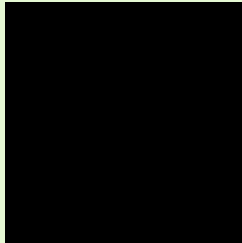
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

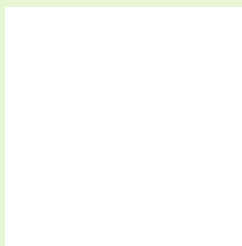
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.6384, 88.4960, 74.6175

Background



This preview shows how black text looks on a background with the XYZ color 77.6384, 88.4960, 74.6175.



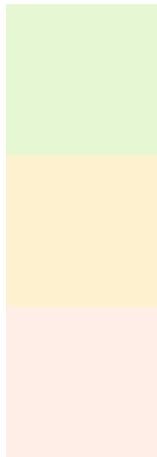
This preview shows how white text looks on a background with the XYZ color 77.6384, 88.4960,

74.6175.

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

77.6384, 88.4960, 74.6175

Protanopia

83.2258, 88.2982, 71.6883

Deuteranopia

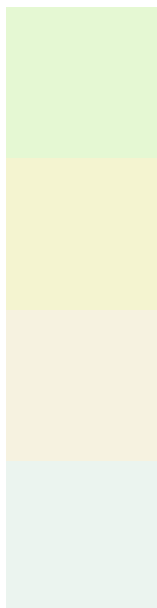
86.2383, 88.1786, 88.0762



Tritanopia

84.7652, 88.3077, 107.1852

Trichromacy



Original Color

77.6384, 88.4960, 74.6175

Protanomaly

81.0441, 88.4885, 72.4830

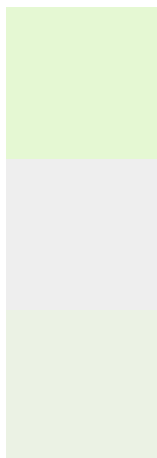
Deuteranomaly

83.2127, 88.4789, 83.2134

Tritanomaly

82.1916, 88.5955, 94.4300

Monochromacy



Original Color

77.6384, 88.4960, 74.6175

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.0167, 86.7679, 85.9293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6384, 88.4960, 74.6175 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(229, 248, 211)` looks like.

```
.text, #text, p{  
    color:rgb(229, 248, 211)  
}
```

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(229, 248, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 248, 211) }
```

Border

The CSS property to change the border of an element to XYZ 77.6384, 88.4960, 74.6175 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(229, 248, 211) }
```


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

```
.border{ border-color:rgb(229, 248, 211) }
```

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

Here you see how a box with a 4 pixel rgb(229, 248, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 248, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 248, 211);  
box-shadow:4px 4px 4px 4px rgb(229, 248,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6384, 88.4960, 74.6175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 248, 211) }
```

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

```
.background{ background-color: rgb(229,  
248, 211) }
```

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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