

Converting Colors

XYZ(76.6844, 85.8057, 77.2994)

Have a look what the booklet for
XYZ(76.6844, 85.8057, 77.2994)
contains.

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Color

**XYZ(76.7584, 85.7171,
77.4652)**

Conversions

Conversions Part 1

Format	Color
Hex	E5F3D8
RGB	229, 243, 216
RGB Percent	90%, 95%, 85%
CMY	0.1020, 0.0470, 0.1529
CMYK	0.06, 0.00, 0.11, 0.05
HSL	91°, 53%, 90%
HSV	91°, 11%, 95%
XYZ	76.7584, 85.7171, 77.4652
YIQ	235.7360, 0.3230, -11.3650

Conversions

Conversions Part 2

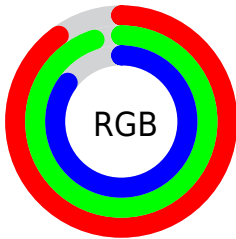
Format	Color
R_{YB}	216, 243, 230
Decimal	15070168
CIE _{Lab}	94.19, -9.34, 11.44
CIE _{LCh}	94, 14.770, 129.231
Yxy	85.7171, 0.3199, 0.3572
Android (android.graphics.Color)	4293260248 (0xFFE5F3D8)
YUV	235.7360, -9.7298, -5.9075
Hunter-Lab	92.5835, -14.0318, 15.2002

Details

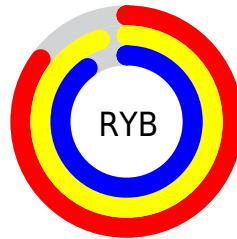
The XYZ color **76.7584, 85.7171, 77.4652** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.3700, 72.4081, 94.9077**, and the grayscale version is **79.6008, 83.7463, 91.1997**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4369, 46.9981, 40.6058** is the 20% darker color. If you saturate the color by 10%, you get **69.9706, 82.5569, 61.9431**, and if you desaturate by 10%, it is **84.3076, 89.2211, 95.4517**.

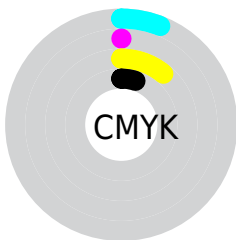
Distribution



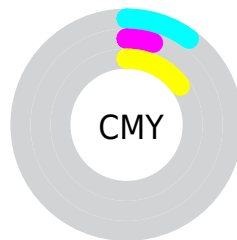
- Red (90%)
- Green (95%)
- Blue (85%)



- Red (85%)
- Yellow (95%)
- Blue (90%)



- Cyan (6%)
- Magenta (0%)
- Yellow (11%)
- Black (5%)



- Cyan (10%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7584, 85.7171, 77.4652 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 76.7584, 85.7171, 77.4652 by changing the saturation by 10% instead.

76.7584, 85.7171,
77.4652

76.7584, 85.7171,
77.4652

472.8445,
513.9979, 505.8284

57.3538, 64.4341,
57.1209

127.7730,
141.3746, 131.5750

41.5306, 47.0023,
40.6923

160.1138,
176.5179, 166.1775

28.9234, 33.0375,
27.7609

197.4974,
217.0501, 206.3699

19.1669, 22.1552,
17.9080

240.2891,
263.3556, 252.5707

11.8957, 13.9710,
10.7152

288.8543,
315.8187, 305.1984

6.7444, 8.1005,
5.7639

343.5584,

3.3476, 4.1593,

374.8238, 364.6715

2.6356

404.7666,
440.7555, 431.4087

■ 1.3402, 1.7631,
0.9108

■ 0.2130, 0.4640,
0.0000

■ 76.7584, 85.7171,
77.4652

■ 76.7584, 85.7171,
77.4652

■ 69.9706, 82.5569,
61.9431

■ 84.3076, 89.2211,
95.4517

■ 63.9105, 79.7181,
48.7724

■ 91.0509, 92.4344,
107.6505

■ 58.5525, 77.1923,
37.8400

■ 91.3423, 92.5846,
107.6641

■ 53.8662, 74.9668,
29.0207

■ 49.8187, 73.0276,
22.1775

■ 46.3740, 71.3593,
17.1568

■ 43.4913, 69.9449,
13.7827

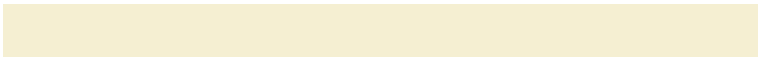
■ 41.1227, 68.7643,
11.8443

■ 39.3859, 67.8852,
11.0273

Harmonies

Analogous

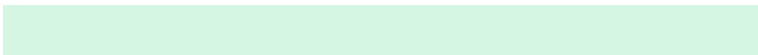
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2583, 85.7171, 73.4522



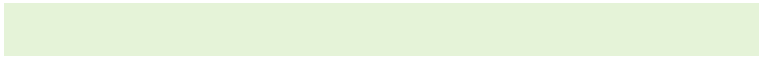
76.7584, 85.7171, 77.4652



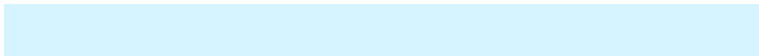
74.5694, 85.7171, 85.8235

Triad

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



76.7584, 85.7171, 77.4652



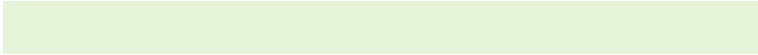
78.8060, 85.7171, 115.1999



89.2063, 85.7171, 89.8827

Complementary

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



76.7584, 85.7171, 77.4652



73.3700, 72.4081, 94.9077

Split Complementary

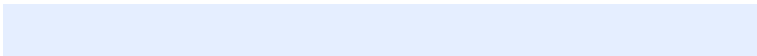
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.7869, 85.7171, 101.2647



76.7584, 85.7171, 77.4652



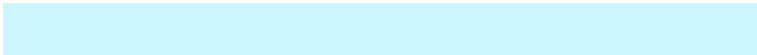
82.6969, 85.7171, 116.5080

Square

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



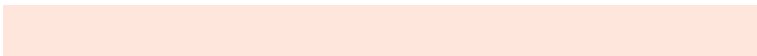
76.7584, 85.7171, 77.4652



75.7248, 85.7171, 107.7864



86.3738, 85.7171, 111.2282



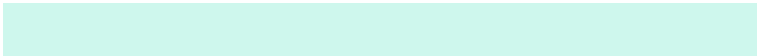
87.5019, 85.7171, 80.2301

Rectangle

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



76.7584, 85.7171, 77.4652



74.1055, 85.7171, 93.0397



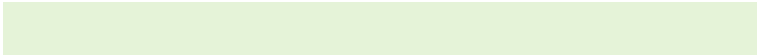
86.3738, 85.7171, 111.2282



89.3102, 85.7171, 93.6236

Sweetspot

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



76.7607, 85.7208, 77.4671



92.3980, 98.7723, 102.4742



77.6430, 80.5816, 76.4286



19.6281, 21.0724, 21.5754



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

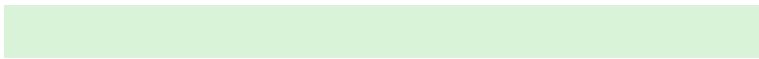
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7607, 85.7208, 77.4671



84.1202, 94.9298, 82.8916



72.8250, 83.6851, 77.5871



17.0414, 18.8634, 17.5404



21.7692, 37.3353, 6.0591



2.0313, 3.3423, 0.5381

Inverse Universe

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



73.3700, 72.4081, 94.9077



79.7422, 77.7409, 105.4104



77.6311, 74.6126, 94.7527



16.4011, 16.3494, 20.8339



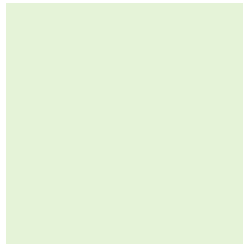
13.7597, 6.0677, 46.9840



1.3280, 0.5945, 4.1350

Previews

White Background



This preview shows how the XYZ color 76.7584, 85.7171, 77.4652 looks on a white background.

Color Contrast Check

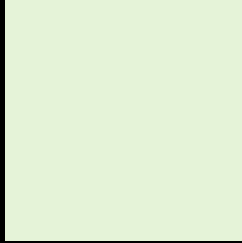
Large Text (above 18pt) WCAG AA × Fail

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 76.7584, 85.7171, 77.4652 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

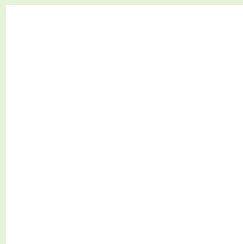
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.7584, 85.7171, 77.4652

Background



This preview shows how black text looks on a background with the XYZ color 76.7584, 85.7171, 77.4652.



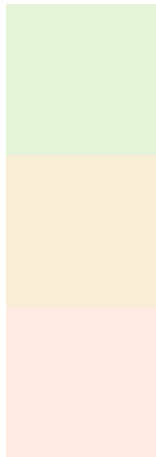
This preview shows how white text looks on a background with the XYZ color 76.7584, 85.7171,

77.4652.

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

76.7584, 85.7171, 77.4652

Protanopia

81.0058, 85.3289, 75.1515

Deuteranopia

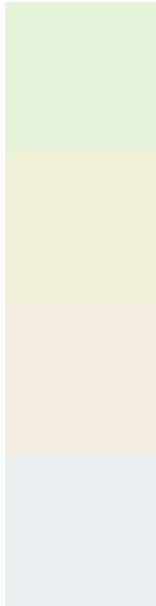
84.6664, 85.7071, 85.4795



Tritanopia

82.5951, 85.4505, 106.7481

Trichromacy



Original Color

76.7584, 85.7171, 77.4652

Protanomaly

79.2797, 85.2888, 75.9022

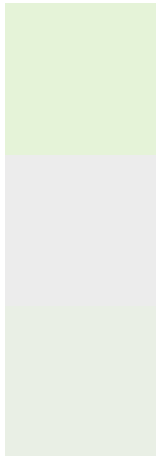
Deuteranomaly

81.7448, 85.5430, 82.7241

Tritanomaly

80.3480, 85.4075, 95.4696

Monochromacy



Original Color

76.7584, 85.7171, 77.4652

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.6136, 84.7138, 86.3368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7584, 85.7171, 77.4652 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, 243, 216) looks like.

```
.text, #text, p{  
    color:rgb(229, 243, 216)  
}
```

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, 243, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 243, 216) }
```

Border

The CSS property to change the border of an element to XYZ 76.7584, 85.7171, 77.4652 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, 243, 216) }
```


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

```
.border{ border-color:rgb(229, 243, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 243, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 243, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 243, 216);  
box-shadow:4px 4px 4px 4px rgb(229, 243,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7584, 85.7171, 77.4652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 243, 216) }
```

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

```
.background{ background-color: rgb(229,  
243, 216) }
```

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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