

Converting Colors

XYZ(77.5067, 85.4679, 78.3221)

Have a look what the booklet for
XYZ(77.5067, 85.4679, 78.3221)
contains.

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Color

**XYZ(77.5552, 85.6698,
78.0940)**

Conversions

Conversions Part 1

Format	Color
Hex	E8F2D9
RGB	232, 242, 217
RGB Percent	91%, 95%, 85%
CMY	0.0902, 0.0510, 0.1490
CMYK	0.04, 0.00, 0.10, 0.05
HSL	84°, 49%, 90%
HSV	84°, 10%, 95%
XYZ	77.5552, 85.6698, 78.0940
YIQ	236.1600, 2.0650, -9.8950

Conversions

Conversions Part 2

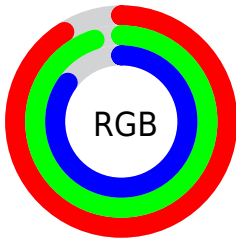
Format	Color
R _Y B	217, 242, 227
Decimal	15266521
CIE Lab	94.17, -7.65, 10.92
CIE LCh	94, 13.335, 124.997
Yxy	85.6698, 0.3214, 0.3550
Android (android.graphics.Color)	4293456601 (0xFFE8F2D9)
YUV	236.1600, -9.4459, -3.6483
Hunter-Lab	92.5580, -12.4096, 14.7658

Details

The XYZ color **77.5552, 85.6698, 78.0940** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.5218, 72.3698, 94.1554**, and the grayscale version is **79.9223, 84.0845, 91.5680**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9850, 46.9566, 41.0331** is the 20% darker color. If you saturate the color by 10%, you get **71.5790, 82.9289, 62.5702**, and if you desaturate by 10%, it is **84.1710, 88.6921, 96.0607**.

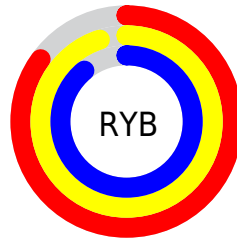
Distribution



Red (91%)

Green (95%)

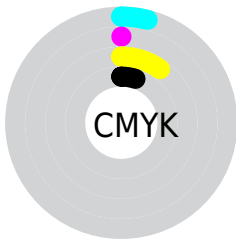
Blue (85%)



Red (85%)

Yellow (95%)

Blue (89%)

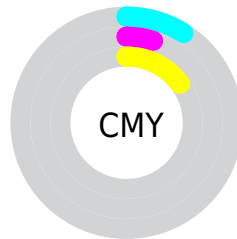


Cyan (4%)

Magenta (0%)

Yellow (10%)

Black (5%)



Cyan (9%)

Magenta (5%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5552, 85.6698, 78.0940 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 77.5552, 85.6698, 78.0940 by changing the saturation by 10% instead.

77.5552, 85.6698,
78.0940

77.5552, 85.6698,
78.0940

475.5179,
513.8418, 508.0224

58.0102, 64.3950,
57.6343

128.8916,
141.3086, 132.4697

42.0601, 46.9706,
41.1020

161.4137,
176.4414, 167.2228

29.3397, 33.0124,
28.0785

198.9921,
216.9622, 207.5774

19.4835, 22.1360,
18.1453

241.9924,
263.2556, 253.9521

12.1262, 13.9569,
10.8838

290.7797,
315.7058, 306.7654

6.9025, 8.0907,
5.8756

345.7195,

3.4470, 4.1530,

374.6973, 366.4358

2.7020

407.1771,
440.6145, 433.3820

■ 1.3943, 1.7595,
0.9444

■ 0.2522, 0.4618,
0.0000

■ 77.5552, 85.6698,
78.0940

■ 77.5552, 85.6698,
78.0940

■ 71.5790, 82.9289,
62.5702

■ 84.1710, 88.6921,
96.0607

■ 66.2125, 80.4488,
49.3783

■ 89.7200, 91.3052,
107.5027

■ 61.4339, 78.2232,
38.4069

■ 91.0438, 91.9877,
107.5646

■ 57.2169, 76.2413,
29.5333

■ 53.5330, 74.4914,
22.6229

■ 50.3507, 72.9603,
17.5255

■ 47.6341, 71.6336,
14.0691

■ 45.3411, 70.4938,
12.0486

■ 43.4615, 69.5432,
11.1325

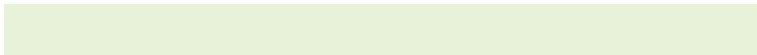
Harmonies

Analogous

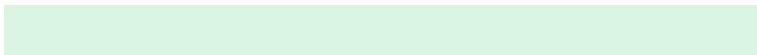
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8305, 85.6698, 75.0453



77.5552, 85.6698, 78.0940



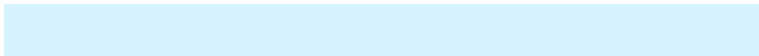
75.3664, 85.6698, 85.2202

Triad

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



77.5552, 85.6698, 78.0940



78.5615, 85.6698, 112.2418



88.4533, 85.6698, 91.5789

Complementary

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



77.5552, 85.6698, 78.0940



72.5218, 72.3698, 94.1554

Split Complementary

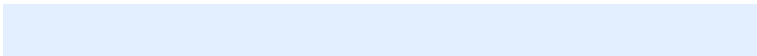
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.8032, 85.6698, 101.8323



77.5552, 85.6698, 78.0940



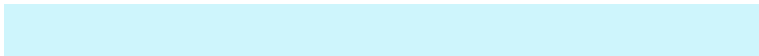
82.0256, 85.6698, 114.2520

Square

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



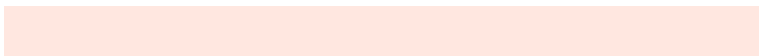
77.5552, 85.6698, 78.0940



75.9354, 85.6698, 105.0075



85.4247, 85.6698, 110.3168



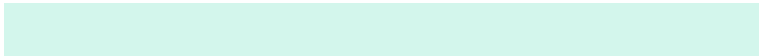
87.1763, 85.6698, 82.4596

Rectangle

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



77.5552, 85.6698, 78.0940



74.7822, 85.6698, 91.5772



85.4247, 85.6698, 110.3168



88.4533, 85.6698, 95.0035

Sweetspot

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



77.5575, 85.6735, 78.0959



92.7254, 98.9411, 102.4895



76.6146, 78.8282, 76.8243



19.7165, 21.1179, 21.5796



0.0000, 0.0000, 0.0000



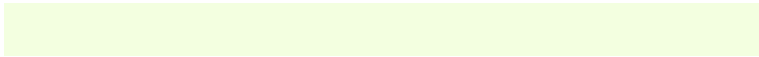
20.3446, 21.4041, 23.3091

Same Dimension

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



77.5575, 85.6735, 78.0959



86.1469, 95.9349, 84.7826



73.6432, 83.6556, 77.9127



16.4754, 18.1253, 16.7799



23.5050, 37.4388, 5.9876



2.0673, 3.1723, 0.5033

Inverse Universe

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



72.5218, 72.3698, 94.1554



79.6195, 78.6898, 105.6000



76.6087, 74.4766, 94.3466



15.4958, 15.5373, 19.9039



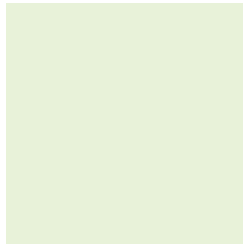
11.3927, 4.8785, 45.4691



1.0571, 0.4622, 3.7877

Previews

White Background



This preview shows how the XYZ color 77.5552, 85.6698, 78.0940 looks on a white background.

Color Contrast Check

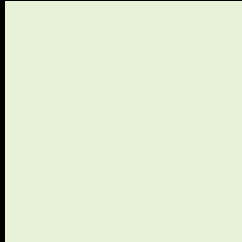
Large Text (above 18pt) WCAG AA × Fail

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 77.5552, 85.6698, 78.0940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

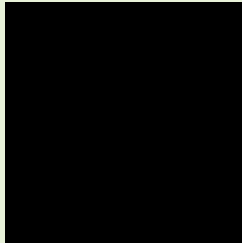
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

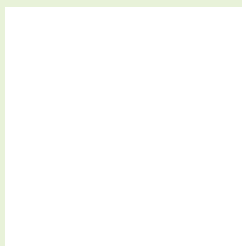
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.5552, 85.6698, 78.0940

Background



This preview shows how black text looks on a background with the XYZ color 77.5552, 85.6698, 78.0940.

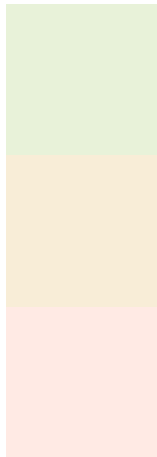


This preview shows how white text looks on a background with the XYZ color 77.5552, 85.6698,

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

77.5552, 85.6698, 78.0940

Protanopia

81.2613, 85.4311, 76.4969

Deuteranopia

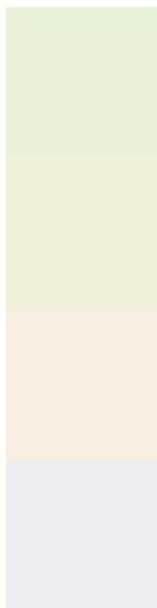
84.6664, 85.7071, 85.4795



Tritanopia

83.3053, 85.3880, 106.6986

Trichromacy



Original Color

77.5552, 85.6698, 78.0940

Protanomaly

79.8791, 85.5681, 77.2720

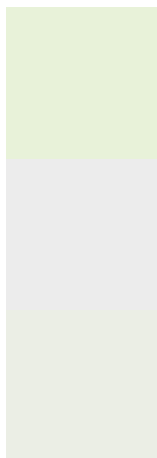
Deuteranomaly

82.0965, 85.7243, 82.7405

Tritanomaly

81.0438, 85.3328, 95.4185

Monochromacy



Original Color

77.5552, 85.6698, 78.0940

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.9783, 84.4684, 86.2702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5552, 85.6698, 78.0940 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(232, 242, 217) looks like.

```
.text, #text, p{  
    color:rgb(232, 242, 217)  
}
```

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(232, 242, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 242, 217) }
```

Border

The CSS property to change the border of an element to XYZ 77.5552, 85.6698, 78.0940 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(232, 242, 217) }
```


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

```
.border{ border-color:rgb(232, 242, 217) }
```

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

Here you see how a box with a 4 pixel rgb(232, 242, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 242, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 242, 217);  
box-shadow:4px 4px 4px 4px rgb(232, 242,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5552, 85.6698, 78.0940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 242, 217) }
```

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

```
.background{ background-color: rgb(232,  
242, 217) }
```

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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