

Converting Colors

XYZ(77.8178, 85.9650, 70.8840)

Have a look what the booklet for
XYZ(77.8178, 85.9650, 70.8840)
contains.

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Color

**XYZ(77.8178, 85.9650,
70.8840)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF2CE
RGB	237, 242, 206
RGB Percent	93%, 95%, 81%
CMY	0.0706, 0.0510, 0.1921
CMYK	0.02, 0.00, 0.15, 0.05
HSL	68°, 58%, 88%
HSV	68°, 15%, 95%
XYZ	77.8178, 85.9650, 70.8840
YIQ	236.4010, 8.5760, -12.2560

Conversions

Conversions Part 2

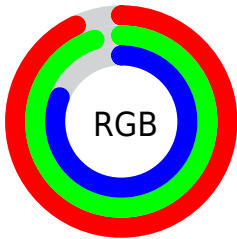
Format	Color
R_{YB}	206, 242, 211
Decimal	15594190
CIE _{Lab}	94.30, -7.67, 16.83
CIE _{LCh}	94, 18.494, 114.490
Yxy	85.9650, 0.3316, 0.3663
Android (android.graphics.Color)	4293784270 (0xFFEDF2CE)
YUV	236.4010, -14.9877, 0.5253
Hunter-Lab	92.7173, -12.4399, 19.5739

Details

The XYZ color **77.8178, 85.9650, 70.8840** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.9656, 64.4046, 93.0163**, and the grayscale version is **80.1448, 84.3186, 91.8229**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2825, 47.2086, 36.5894** is the 20% darker color. If you saturate the color by 10%, you get **73.9895, 84.3080, 56.5218**, and if you desaturate by 10%, it is **82.1245, 87.8215, 87.6350**.

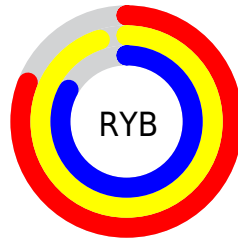
Distribution



Red (93%)

Green (95%)

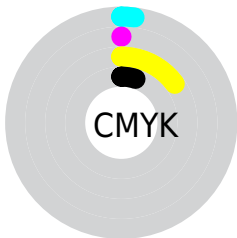
Blue (81%)



Red (81%)

Yellow (95%)

Blue (83%)

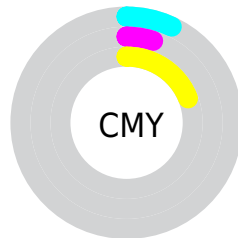


Cyan (2%)

Magenta (0%)

Yellow (15%)

Black (5%)



Cyan (7%)

Magenta (5%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8178, 85.9650, 70.8840 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 77.8178, 85.9650, 70.8840 by changing the saturation by 10% instead.

77.8178, 85.9650,
70.8840

77.8178, 85.9650,
70.8840

476.3971,
514.8158, 482.5206

58.2266, 64.6390,
51.7663

129.2600,
141.7206, 122.1615

42.2348, 47.1684,
36.4379

161.8416,
176.9191, 155.1583

29.4771, 33.1688,
24.4802

199.4842,
217.5105, 193.6185

19.5881, 22.2558,
15.4747

242.5529,
263.8793, 237.9608

12.2025, 14.0450,
9.0029

291.4132,
316.4098, 288.6036

6.9549, 8.1520,
4.6462

346.4304,

3.4800, 4.1923,

375.4865, 345.9655

1.9862

407.9700,
441.4937, 410.4649

■ 1.4124, 1.7817,
0.5467

■ 0.2650, 0.4757,
0.0000

■ 77.8178, 85.9650,
70.8840

■ 77.8178, 85.9650,
70.8840

■ 73.9895, 84.3080,
56.5218

■ 82.1245, 87.8215,
87.6350

■ 70.6119, 82.8308,
44.4342

■ 86.9222, 89.8740,
106.8709

■ 67.6651, 81.5284,
34.5058

■ 88.1945, 90.5188,
107.4313

■ 65.1246, 80.3909,
26.6090

■ 89.3922, 91.1363,
107.4873

■ 62.9635, 79.4075,
20.6028

■ 90.6115, 91.7648,
107.5444

■ 61.1516, 78.5662,
16.3282

■ 91.0439, 91.9877,
107.5646

■ 59.6537, 77.8528,
13.6003

■ 58.4264, 77.2500,
12.1920

■ 57.8692, 76.9707,
11.8068

Harmonies

Analogous

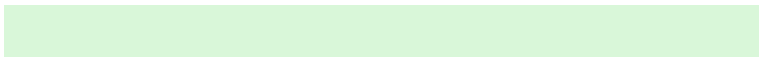
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6262, 85.9650, 68.9652



77.8178, 85.9650, 70.8840



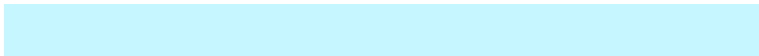
74.1884, 85.9650, 78.6183

Triad

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



77.8178, 85.9650, 70.8840



76.2928, 85.9650, 117.6372



91.5708, 85.9650, 96.2480

Complementary

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



77.8178, 85.9650, 70.8840



64.9656, 64.4046, 93.0163

Split Complementary

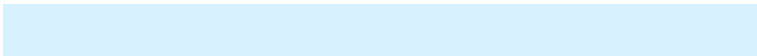
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.7175, 85.9650, 110.3763



77.8178, 85.9650, 70.8840



80.7950, 85.9650, 123.5000

Square

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



77.8178, 85.9650, 70.8840



73.3332, 85.9650, 105.3842



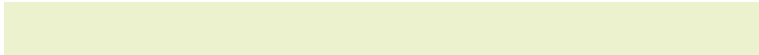
85.7240, 85.9650, 120.7174



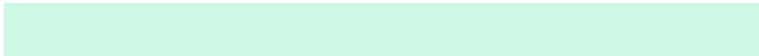
90.6955, 85.9650, 82.7311

Rectangle

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



77.8178, 85.9650, 70.8840



72.8591, 85.9650, 86.4870



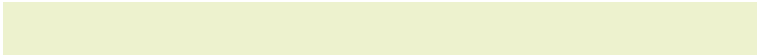
85.7240, 85.9650, 120.7174



91.2440, 85.9650, 101.0954

Sweetspot

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



77.8201, 85.9688, 70.8858



92.9312, 99.0924, 100.4550



71.0060, 69.8251, 68.1289



19.8080, 21.1742, 21.1724



0.0000, 0.0000, 0.0000



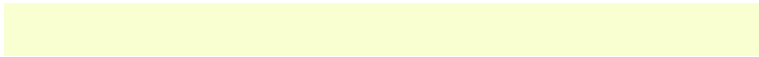
20.3446, 21.4041, 23.3091

Same Dimension

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



77.8201, 85.9688, 70.8858



86.2125, 96.1983, 74.4108



72.1693, 83.0557, 70.6214



16.8943, 18.3412, 16.7995



31.1735, 41.3921, 6.3465



2.6522, 3.4738, 0.5307

Inverse Universe

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



64.9656, 64.4046, 93.0163



69.0406, 67.3899, 103.9765



70.3504, 67.1806, 93.2683



15.1016, 15.3341, 19.8854



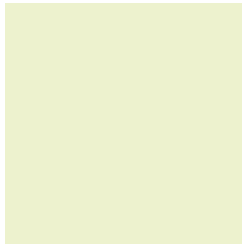
9.0237, 3.6573, 45.3582



0.8139, 0.3368, 3.7763

Previews

White Background



This preview shows how the XYZ color 77.8178, 85.9650, 70.8840 looks on a white background.

Color Contrast Check

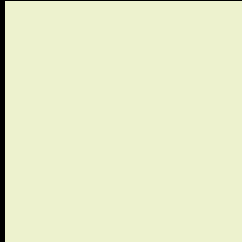
Large Text (above 18pt) WCAG AA × Fail

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 77.8178, 85.9650, 70.8840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

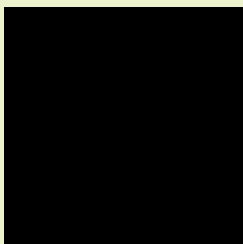
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

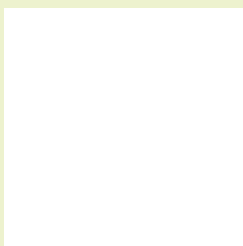
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8178, 85.9650, 70.8840

Background



This preview shows how black text looks on a background with the XYZ color 77.8178, 85.9650, 70.8840.



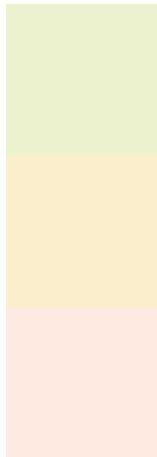
This preview shows how white text looks on a background with the XYZ color 77.8178, 85.9650,

70.8840.

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

77.8178, 85.9650, 70.8840

Protanopia

81.2573, 86.0179, 69.4471

Deuteranopia

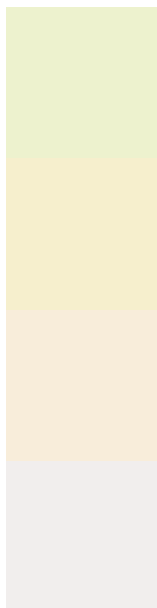
84.2534, 85.5419, 83.3048



Tritanopia

84.9060, 85.8055, 105.8530

Trichromacy



Original Color

77.8178, 85.9650, 70.8840

Protanomaly

79.8920, 85.7336, 70.0951

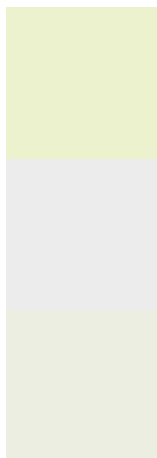
Deuteranomaly

81.6505, 85.5868, 78.5461

Tritanomaly

82.1362, 85.9643, 92.3845

Monochromacy



Original Color

77.8178, 85.9650, 70.8840

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.7572, 84.4182, 83.3776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8178, 85.9650, 70.8840 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(237, 242, 206) looks like.

```
.text, #text, p{  
    color:rgb(237, 242, 206)  
}
```

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(237, 242, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 242, 206) }
```

Border

The CSS property to change the border of an element to XYZ 77.8178, 85.9650, 70.8840 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(237, 242, 206) }
```


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

```
.border{ border-color:rgb(237, 242, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 242, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 242, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 242, 206);  
box-shadow:4px 4px 4px 4px rgb(237, 242,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8178, 85.9650, 70.8840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 242, 206) }
```

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

```
.background{ background-color: rgb(237,  
242, 206) }
```

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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