

Converting Colors

XYZ(77.0401, 85.3892, 78.7510)

Have a look what the booklet for
XYZ(77.0401, 85.3892, 78.7510)
contains.

XYZ(77.0401, 85.3892, 78.7510)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.0401, 85.3892,
78.7510)**

Conversions

Conversions Part 1

Format	Color
Hex	E6F2DA
RGB	230, 242, 218
RGB Percent	90%, 95%, 85%
CMY	0.0980, 0.0510, 0.1451
CMYK	0.05, 0.00, 0.10, 0.05
HSL	90°, 48%, 90%
HSV	90°, 10%, 95%
XYZ	77.0401, 85.3892, 78.7510
YIQ	235.6760, 0.5520, -10.0080

Conversions

Conversions Part 2

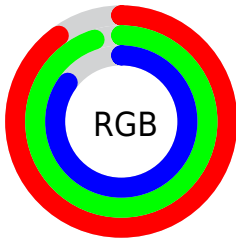
Format	Color
R _Y B	218, 242, 230
Decimal	15135450
CIE Lab	94.05, -8.17, 10.22
CIE LCh	94, 13.079, 128.637
Yxy	85.3892, 0.3194, 0.3540
Android (android.graphics.Color)	4293325530 (0xFFE6F2DA)
YUV	235.6760, -8.7143, -4.9779
Hunter-Lab	92.4063, -12.8936, 14.1559

Details

The XYZ color **77.0401, 85.3892, 78.7510** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.7350, 73.3790, 94.2862**, and the grayscale version is **79.5473, 83.6899, 91.1383**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6253, 46.7608, 41.4822** is the 20% darker color. If you saturate the color by 10%, you get **70.3521, 82.2835, 63.0964**, and if you desaturate by 10%, it is **84.4650, 88.8263, 96.8573**.

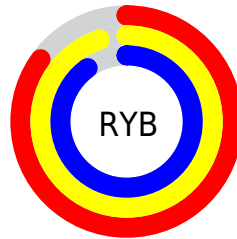
Distribution



Red (90%)

Green (95%)

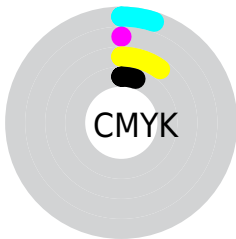
Blue (85%)



Red (85%)

Yellow (95%)

Blue (90%)

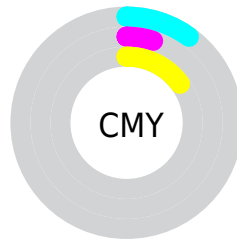


Cyan (5%)

Magenta (0%)

Yellow (10%)

Black (5%)



Cyan (10%)

Magenta (5%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0401, 85.3892, 78.7510 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 77.0401, 85.3892, 78.7510 by changing the saturation by 10% instead.

77.0401, 85.3892,
78.7510

77.0401, 85.3892,
78.7510

473.7906,
512.9150, 510.3089

57.5858, 64.1630,
58.1710

128.1686,
140.9168, 133.4037

41.7177, 46.7827,
41.5305

160.5736,
175.9870, 168.3136

29.0705, 32.8639,
28.4110

198.0262,
216.4407, 208.8371

19.2787, 22.0222,
18.3940

240.8917,
262.6623, 255.3928

11.9770, 13.8732,
11.0609

289.5356,
315.0361, 308.3993

6.8001, 8.0325,
5.9931

344.3231,

3.3826, 4.1158,

373.9466, 368.2752

2.7722

405.6196,
439.7781, 435.4389

■ 1.3592, 1.7385,
0.9795

■ 0.2269, 0.4484,
0.0000

■ 77.0401, 85.3892,
78.7510

■ 77.0401, 85.3892,
78.7510

■ 70.3521, 82.2835,
63.0964

■ 84.4650, 88.8263,
96.8573

■ 64.3685, 79.4873,
49.7825

■ 90.7527, 91.8376,
107.5510

■ 59.0647, 76.9930,
38.6982

■ 91.0438, 91.9877,
107.5646

■ 54.4117, 74.7881,
29.7212

■ 50.3781, 72.8596,
22.7171

■ 46.9292, 71.1927,
17.5365

■ 44.0262, 69.7712,
14.0082

■ 41.6237, 68.5762,
11.9287

■ 39.6504, 67.5784,
10.9598

Harmonies

Analogous

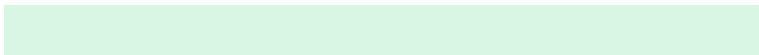
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1559, 85.3892, 75.2327



77.0401, 85.3892, 78.7510



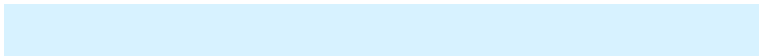
75.0673, 85.3892, 86.1454

Triad

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



77.0401, 85.3892, 78.7510



78.7390, 85.3892, 112.0529



87.9793, 85.3892, 90.1169

Complementary

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



77.0401, 85.3892, 78.7510



73.7350, 73.3790, 94.2862

Split Complementary

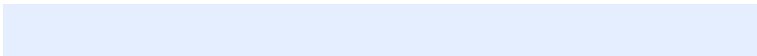
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5735, 85.3892, 100.1550



77.0401, 85.3892, 78.7510



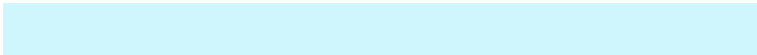
82.1722, 85.3892, 113.3065

Square

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



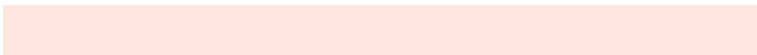
77.0401, 85.3892, 78.7510



76.0284, 85.3892, 105.5026



85.4240, 85.3892, 108.8147



86.5172, 85.3892, 81.4794

Rectangle

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



77.0401, 85.3892, 78.7510



74.6320, 85.3892, 92.5178



85.4240, 85.3892, 108.8147



88.0577, 85.3892, 93.4323

Sweetspot

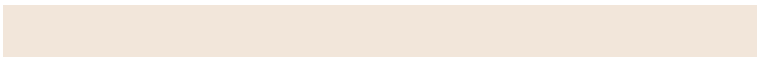
The Sweet Spot groups the original color and five complimentary colors.



77.0424, 85.3929, 78.7529



92.4490, 98.7986, 102.4766



77.5729, 80.5361, 77.7874



19.6419, 21.0795, 21.5761



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

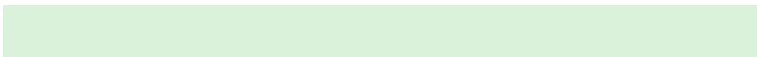
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.0424, 85.3929, 78.7529



85.1011, 95.3957, 84.7337



73.3230, 83.4754, 78.5788



16.3188, 18.0445, 16.7726



21.4491, 36.3790, 5.8914



1.8991, 3.0855, 0.4955

Inverse Universe

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



73.7350, 73.3790, 94.2862



80.6479, 79.2200, 105.6481



77.7197, 75.4332, 94.4727



15.6505, 15.6170, 19.9111



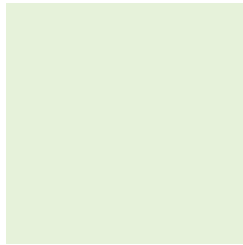
13.0056, 5.7100, 45.5445



1.1967, 0.5342, 3.7942

Previews

White Background



This preview shows how the XYZ color 77.0401, 85.3892, 78.7510 looks on a white background.

Color Contrast Check

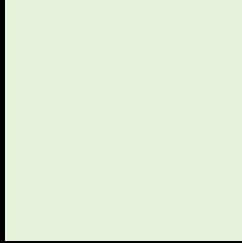
Large Text (above 18pt) WCAG AA × Fail

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 77.0401, 85.3892, 78.7510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

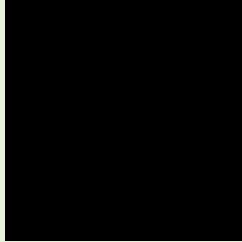
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

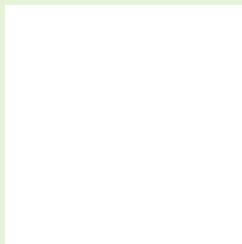
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.0401, 85.3892, 78.7510

Background



This preview shows how black text looks on a background with the XYZ color 77.0401, 85.3892, 78.7510.



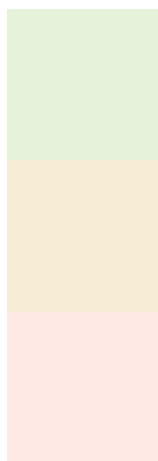
This preview shows how white text looks on a background with the XYZ color 77.0401, 85.3892,

78.7510.

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

77.0401, 85.3892, 78.7510

Protanopia

80.9077, 85.2488, 76.4804

Deuteranopia

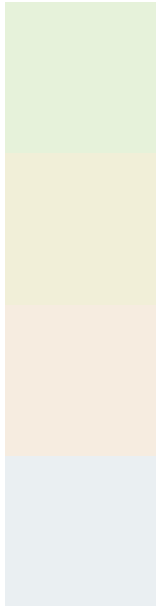
84.3825, 85.1393, 85.3849



Tritanopia

82.9263, 85.6212, 106.7636

Trichromacy



Original Color

77.0401, 85.3892, 78.7510

Protanomaly

79.5368, 85.3916, 77.2559

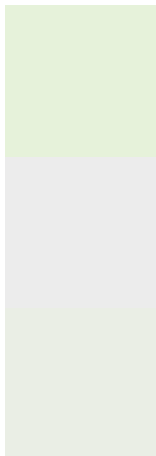
Deuteranomaly

81.4560, 84.9656, 82.6278

Tritanomaly

80.8252, 85.6362, 96.2739

Monochromacy



Original Color

77.0401, 85.3892, 78.7510

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.6491, 84.2986, 86.2548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0401, 85.3892, 78.7510 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(230, 242, 218) looks like.

```
.text, #text, p{  
    color:rgb(230, 242, 218)  
}
```

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(230, 242, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 242, 218) }
```

Border

The CSS property to change the border of an element to XYZ 77.0401, 85.3892, 78.7510 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(230, 242, 218) }
```


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

```
.border{ border-color:rgb(230, 242, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 242, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 242, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 242, 218);  
box-shadow:4px 4px 4px 4px rgb(230, 242,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0401, 85.3892, 78.7510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 242, 218) }
```

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

```
.background{ background-color: rgb(230,  
242, 218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor