

Converting Colors

XYZ(78.6763, 90.1329, 73.3652)

Have a look what the booklet for
XYZ(78.6763, 90.1329, 73.3652)
contains.

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Color

**XYZ(78.6492, 89.9636,
73.5411)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FAD1
RGB	231, 250, 209
RGB Percent	91%, 98%, 82%
CMY	0.0941, 0.0196, 0.1804
CMYK	0.08, 0.00, 0.16, 0.02
HSL	88°, 80%, 90%
HSV	88°, 16%, 98%
XYZ	78.6492, 89.9636, 73.5411
YIQ	239.6450, 1.8370, -16.7790

Conversions

Conversions Part 2

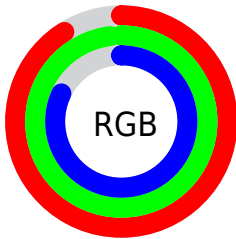
Format	Color
R_{YB}	209, 250, 228
Decimal	15203025
CIE _{Lab}	95.98, -13.27, 17.59
CIE _{LCh}	96, 22.036, 127.016
Yxy	89.9636, 0.3248, 0.3715
Android (android.graphics.Color)	4293393105 (0xFFE7FAD1)
YUV	239.6450, -15.1080, -7.5817
Hunter-Lab	94.8491, -17.9733, 20.4240

Details

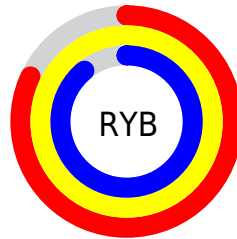
The XYZ color **78.6492, 89.9636, 73.5411** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.0544, 68.9996, 99.9679**, and the grayscale version is **82.6623, 86.9672, 94.7073**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8037, 50.0306, 37.9727** is the 20% darker color. If you saturate the color by 10%, you get **72.1772, 86.9599, 58.3290**, and if you desaturate by 10%, it is **85.8594, 93.2971, 91.3268**.

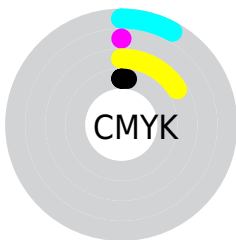
Distribution



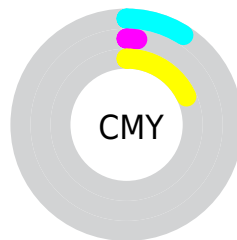
- Red (91%)
- Green (98%)
- Blue (82%)



- Red (82%)
- Yellow (98%)
- Blue (89%)



- Cyan (8%)
- Magenta (0%)
- Yellow (16%)
- Black (2%)





- Cyan (9%)
- Magenta (2%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.6492, 89.9636, 73.5411 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 78.6492, 89.9636, 73.5411 by changing the saturation by 10% instead.


 78.6492, 89.9636,
73.5411

 78.6492, 89.9636,
73.5411


479.1749,
527.9124, 492.0090

 58.9121, 67.9505,
53.9240


130.4254,
147.2878, 125.9731

 42.7884, 49.8574,
38.1482


163.1952,
183.3677, 159.6251

 29.9130, 35.3001,
25.7950


201.0399,
224.9053, 198.7925

 19.9203, 23.8942,
16.4459

244.3249,
272.2849, 243.8938

 12.4450, 15.2551,
9.6825

293.4156,
325.8911, 295.3475

 7.1219, 8.9986,
5.0861

348.6772,

 3.5854, 4.7403,

386.1081, 353.5723

2.2383

410.4752,
453.3205, 418.9866

■ 1.4704, 2.0957,
0.6963

■ 0.3056, 0.6622,
0.0000

■ 78.6492, 89.9636,
73.5411

■ 78.6492, 89.9636,
73.5411

■ 72.1772, 86.9599,
58.3290

■ 85.8594, 93.2971,
91.3268

■ 66.4089, 84.2628,
45.5655

■ 93.1750, 96.6990,
108.3617

■ 61.3174, 81.8638,
35.1239

■ 93.4774, 96.8549,
108.3758

■ 56.8711, 79.7499,
26.8638

■ 53.0351, 77.9064,
20.6295

■ 49.7707, 76.3172,
16.2450

■ 47.0331, 74.9637,
13.5038

■ 44.7676, 73.8235,
12.1482

■ 44.0396, 73.4539,
11.8569

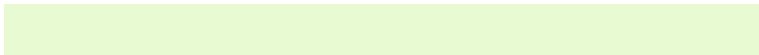
Harmonies

Analogous

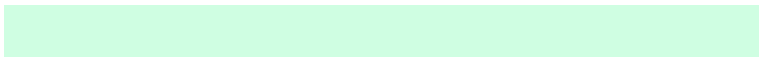
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0852, 89.9636, 68.2950



78.6492, 89.9636, 73.5411



75.1731, 89.9636, 85.4336

Triad

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



78.6492, 89.9636, 73.5411



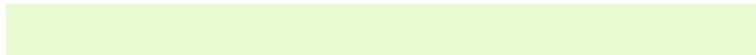
81.0158, 89.9636, 132.1901



97.6657, 89.9636, 93.9152

Complementary

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



78.6492, 89.9636, 73.5411



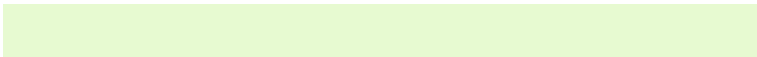
72.0544, 68.9996, 99.9679

Split Complementary

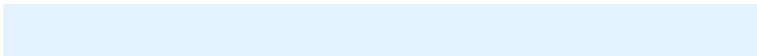
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.7486, 89.9636, 111.6438



78.6492, 89.9636, 73.5411



86.9462, 89.9636, 135.1569

Square

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



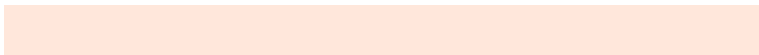
78.6492, 89.9636, 73.5411



76.4935, 89.9636, 119.5664



92.7538, 89.9636, 127.2501



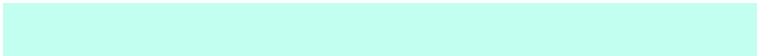
95.2036, 89.9636, 79.1186

Rectangle

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



78.6492, 89.9636, 73.5411



74.3376, 89.9636, 96.2194



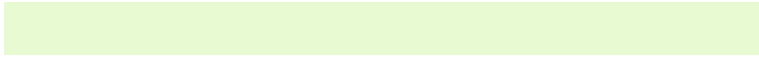
92.7538, 89.9636, 127.2501



97.7442, 89.9636, 99.7115

Sweetspot

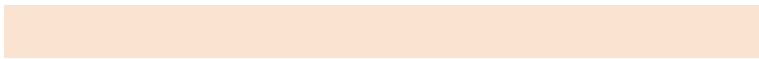
The Sweet Spot groups the original color and five complimentary colors.



78.6516, 89.9675, 73.5430



90.9238, 98.1022, 98.3448



78.5287, 80.1154, 71.6479



19.3407, 20.9423, 20.7445



0.0000, 0.0000, 0.0000



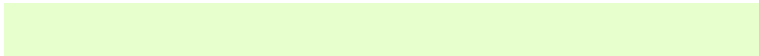
20.3446, 21.4041, 23.3091

Same Dimension

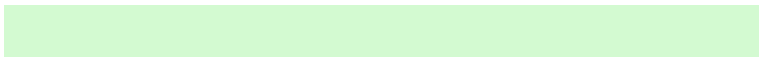
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.6516, 89.9675, 73.5430



79.7310, 92.9288, 70.8615



72.5753, 86.8350, 73.2587



17.9069, 19.7678, 18.3342



23.5267, 39.0468, 6.2968



2.3013, 3.6795, 0.5889

Inverse Universe

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



72.0544, 68.9996, 99.9679



71.5231, 66.8406, 103.7396



78.7529, 72.4528, 100.2814



17.0477, 17.0372, 21.7753



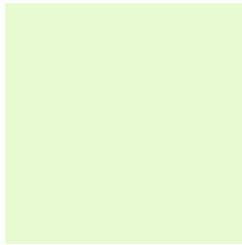
13.1265, 5.7096, 48.3838



1.3367, 0.5911, 4.4868

Previews

White Background



This preview shows how the XYZ color 78.6492, 89.9636, 73.5411 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 78.6492, 89.9636, 73.5411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

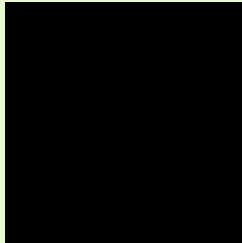
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

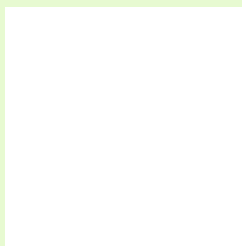
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.6492, 89.9636, 73.5411

Background



This preview shows how black text looks on a background with the XYZ color 78.6492, 89.9636, 73.5411.



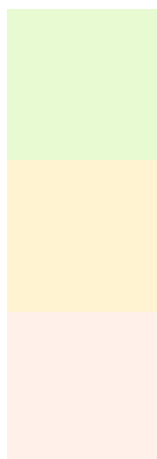
This preview shows how white text looks on a background with the XYZ color 78.6492, 89.9636,

73.5411.

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

78.6492, 89.9636, 73.5411

Protanopia

84.7992, 89.9646, 73.2171

Deuteranopia

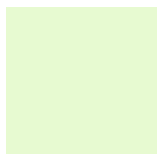
87.2514, 89.5207, 90.5225



Tritanopia

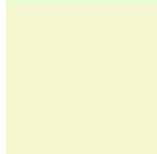
86.3762, 90.0220, 107.4312

Trichromacy



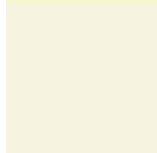
Original Color

78.6492, 89.9636, 73.5411



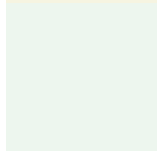
Protanomaly

82.4704, 90.1078, 73.3675



Deuteranomaly

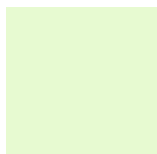
83.9473, 89.7304, 84.1294



Tritanomaly

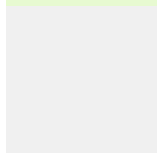
83.3134, 90.0891, 93.8868

Monochromacy



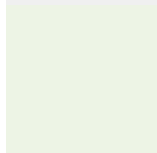
Original Color

78.6492, 89.9636, 73.5411



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

81.4186, 88.3630, 86.8933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.6492, 89.9636, 73.5411 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(231, 250, 209)` looks like.

```
.text, #text, p{  
    color:rgb(231, 250, 209)  
}
```

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(231, 250, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 250, 209) }
```

Border

The CSS property to change the border of an element to XYZ 78.6492, 89.9636, 73.5411 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(231, 250, 209) }
```


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

```
.border{ border-color:rgb(231, 250, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 250, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 250, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 250, 209);  
box-shadow:4px 4px 4px 4px rgb(231, 250,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 78.6492, 89.9636, 73.5411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 250, 209) }
```

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

```
.background{ background-color: rgb(231,  
250, 209) }
```

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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