

Converting Colors

XYZ(78.5582, 92.2886, 72.4165)

Have a look what the booklet for
XYZ(78.5582, 92.2886, 72.4165)
contains.

XYZ(78.7010, 92.3559, 72.7100)	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(78.7010, 92.3559,
72.7100)**

Conversions

Conversions Part 1

Format	Color
Hex	E3FFCF
RGB	227, 255, 207
RGB Percent	89%, 100%, 81%
CMY	0.1098, 0.0000, 0.1882
CMYK	0.11, 0.00, 0.19, 0.00
HSL	95°, 100%, 91%
HSV	95°, 19%, 100%
XYZ	78.7010, 92.3559, 72.7100
YIQ	241.1560, -1.2800, -20.8640

Conversions

Conversions Part 2

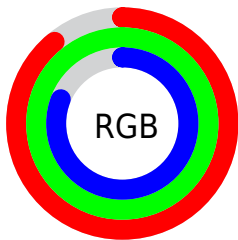
Format	Color
R_{YB}	207, 255, 235
Decimal	14942159
CIE _{Lab}	96.97, -17.40, 19.95
CIE _{LCh}	97, 26.479, 131.095
Yxy	92.3559, 0.3229, 0.3789
Android (android.graphics.Color)	4293132239 (0xFFE3FFCF)
YUV	241.1560, -16.8389, -12.4148
Hunter-Lab	96.1020, -21.9991, 22.4130

Details

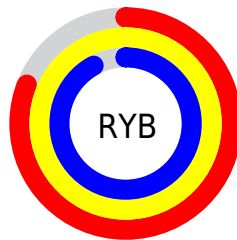
The XYZ color **78.7010, 92.3559, 72.7100** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.6247, 69.5091, 104.0912**, and the grayscale version is **83.8605, 88.2278, 96.0801**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7384, 51.3460, 37.7952** is the 20% darker color. If you saturate the color by 10%, you get **71.3397, 88.8926, 57.3847**, and if you desaturate by 10%, it is **86.9724, 96.2301, 90.7088**.

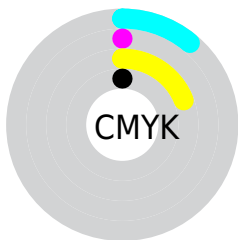
Distribution



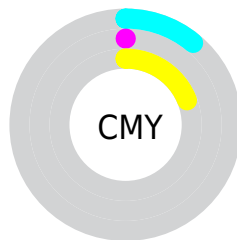
- Red (89%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (92%)



- Cyan (11%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.7010, 92.3559, 72.7100 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 78.7010, 92.3559, 72.7100 by changing the saturation by 10% instead.


 78.7010, 92.3559,
72.7100

 78.7010, 92.3559,
72.7100


479.3477,
535.6651, 489.0529

 58.9548, 69.9363,
53.2485


130.4980,
150.6066, 124.7825

 42.8230, 51.4746,
37.6121


163.2795,
187.2064, 158.2306

 29.9401, 36.5864,
25.3823


201.1368,
229.3017, 197.1780

 19.9410, 24.8875,
16.1405

244.4352,
277.2770, 242.0432

 12.4602, 15.9932,
9.4682

293.5402,
331.5166, 293.2447

 7.1323, 9.5194,
4.9468

348.8170,

 3.5921, 5.0815,

392.4048, 351.2012

2.1579

410.6311,
460.3262, 416.3311

■ 1.4740, 2.2951,
0.6499

■ 0.3081, 0.7711,
0.0000

■ 78.7010, 92.3559,
72.7100

■ 78.7010, 92.3559,
72.7100

■ 71.3397, 88.8926,
57.3847

■ 86.9724, 96.2301,
90.7088

■ 64.8525, 85.8245,
44.6012

95.0500, 100.0000,
108.9000

■ 59.2032, 83.1361,
34.2228

■ 54.3521, 80.8100,
26.0984

■ 50.2558, 78.8277,
20.0598

■ 46.8657, 77.1683,
15.9152

■ 44.1261, 75.8080,
13.4371

■ 41.9607, 74.7147,
12.2960

■ 41.7333, 74.5994,
12.1995

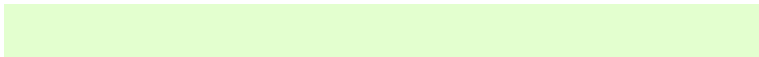
Harmonies

Analogous

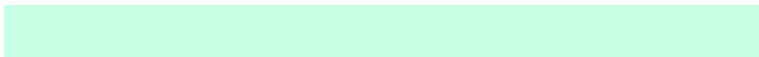
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0546, 92.3559, 65.4438



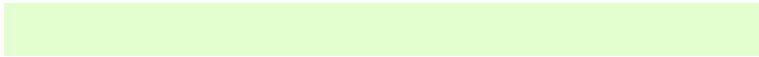
78.7010, 92.3559, 72.7100



74.9185, 92.3559, 87.8481

Triad

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



78.7010, 92.3559, 72.7100



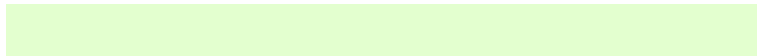
83.2228, 92.3559, 144.5647



102.5977, 92.3559, 92.8724

Complementary

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



78.7010, 92.3559, 72.7100



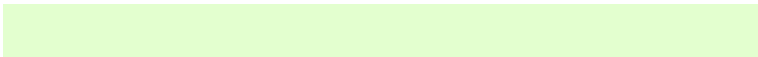
74.6247, 69.5091, 104.0912

Split Complementary

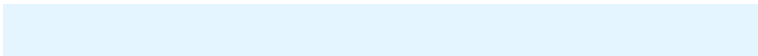
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.0385, 92.3559, 114.4423



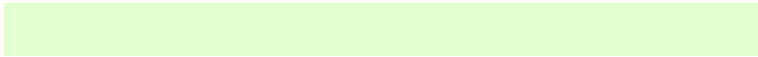
78.7010, 92.3559, 72.7100



90.5661, 92.3559, 146.4143

Square

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



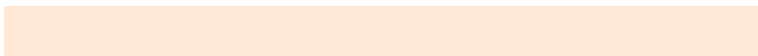
78.7010, 92.3559, 72.7100



77.4254, 92.3559, 129.9986



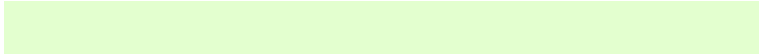
97.5349, 92.3559, 134.7432



99.0222, 92.3559, 75.9391

Rectangle

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



78.7010, 92.3559, 72.7100



74.2279, 92.3559, 101.3454



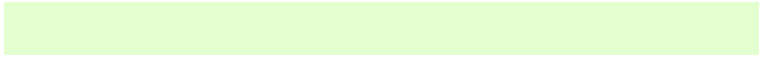
97.5349, 92.3559, 134.7432



102.8920, 92.3559, 99.7784

Sweetspot

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



78.7016, 92.3561, 72.7114



89.4759, 97.3998, 96.2888



82.2113, 85.1823, 71.1417



19.0261, 20.7890, 20.3291



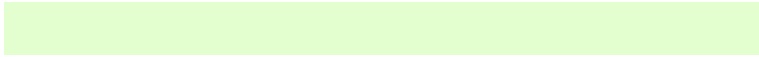
0.0000, 0.0000, 0.0000



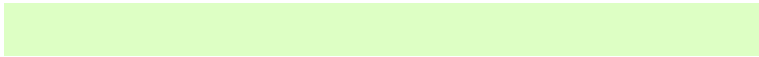
20.3446, 21.4041, 23.3091

Same Dimension

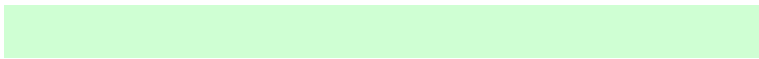
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7016, 92.3561, 72.7114



75.5177, 90.8602, 65.9912



73.2509, 89.4890, 75.0417



18.4886, 20.5378, 19.1341



21.9672, 39.0626, 6.3820



2.2598, 3.8657, 0.6271

Inverse Universe

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



74.6247, 69.5091, 104.0912



70.6831, 63.7742, 103.1920



80.9660, 72.8517, 101.0614



18.0183, 17.9012, 22.7556



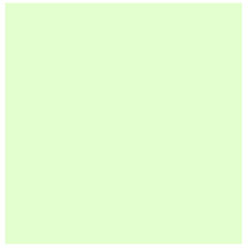
16.0583, 7.1888, 49.9758



1.6880, 0.7641, 4.8718

Previews

White Background



This preview shows how the XYZ color 78.7010, 92.3559, 72.7100 looks on a white background.

Color Contrast Check

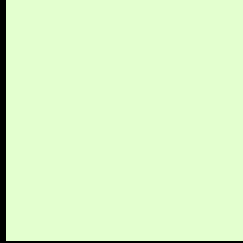
Large Text (above 18pt) WCAG AA × Fail

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 78.7010, 92.3559, 72.7100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

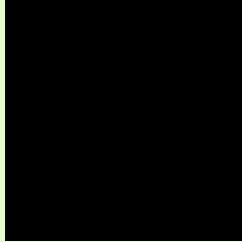
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

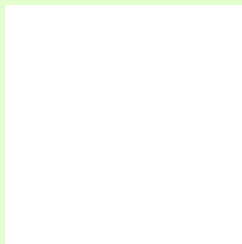
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.7010, 92.3559, 72.7100

Background



This preview shows how black text looks on a background with the XYZ color 78.7010, 92.3559, 72.7100.



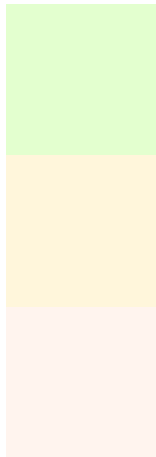
This preview shows how white text looks on a background with the XYZ color 78.7010, 92.3559,

72.7100.

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

78.7010, 92.3559, 72.7100

Protanopia

86.9820, 92.2860, 80.2464

Deuteranopia

89.0233, 92.1344, 93.9806

Tritanopia

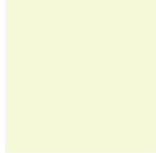
87.6237, 92.0088, 107.7489

Trichromacy



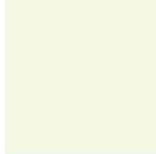
Original Color

78.7010, 92.3559, 72.7100



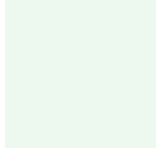
Protanomaly

83.7976, 92.0701, 77.6447



Deuteranomaly

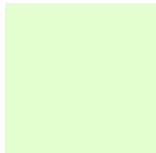
85.0887, 92.0933, 85.9642



Tritanomaly

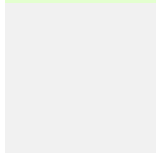
84.2334, 91.9289, 94.1934

Monochromacy



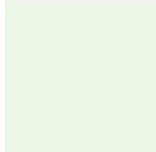
Original Color

78.7010, 92.3559, 72.7100



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.6907, 89.4015, 87.0794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.7010, 92.3559, 72.7100 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(227, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 207)  
}
```

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(227, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 207) }
```

Border

The CSS property to change the border of an element to XYZ 78.7010, 92.3559, 72.7100 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(227, 255, 207) }
```


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

```
.border{ border-color:rgb(227, 255, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 78.7010, 92.3559, 72.7100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 207) }
```

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

```
.background{ background-color: rgb(227,  
255, 207) }
```

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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