

Converting Colors

XYZ(79.6009, 92.9317, 67.6943)

Have a look what the booklet for
XYZ(79.6009, 92.9317, 67.6943)
contains.

XYZ(79.6731, 92.9672, 67.7781)	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(79.6731, 92.9672,
67.7781)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FFC7
RGB	233, 255, 199
RGB Percent	91%, 100%, 78%
CMY	0.0863, 0.0000, 0.2196
CMYK	0.09, 0.00, 0.22, 0.00
HSL	84°, 100%, 89%
HSV	84°, 22%, 100%
XYZ	79.6731, 92.9672, 67.7781
YIQ	242.0380, 4.8640, -22.0800

Conversions

Conversions Part 2

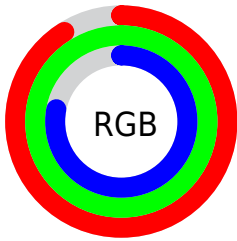
Format	Color
RYB	199, 255, 221
Decimal	15335367
CIELab	97.21, -16.55, 24.43
CIELCh	97, 29.508, 124.118
Yxy	92.9672, 0.3314, 0.3867
Android (android.graphics.Color)	4293525447 (0xFFE9FFC7)
YUV	242.0380, -21.2177, -7.9263
Hunter-Lab	96.4195, -21.2365, 25.8157

Details

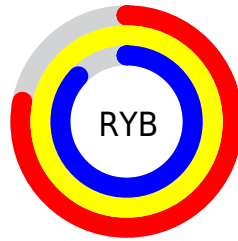
The XYZ color **79.6731, 92.9672, 67.7781** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.2932, 63.4403, 103.2535**, and the grayscale version is **84.5875, 88.9926, 96.9130**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.4364, 51.7796, 34.4932** is the 20% darker color. If you saturate the color by 10%, you get **73.7777, 90.2419, 53.3204**, and if you desaturate by 10%, it is **86.2514, 95.9871, 84.8601**.

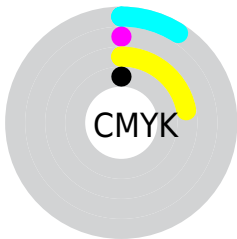
Distribution



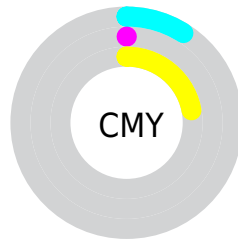
- Red (91%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (87%)



- Cyan (9%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.6731, 92.9672, 67.7781 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 79.6731, 92.9672, 67.7781 by changing the saturation by 10% instead.


 79.6731, 92.9672,
67.7781

 79.6731, 92.9672,
67.7781

482.5838,
537.6365, 471.2861

 59.7569, 70.4442,
49.2517


131.8590,
151.4532, 117.6859

 43.4715, 51.8888,
34.4522


164.8594,
188.1850, 149.9043

 30.4513, 36.9164,
22.9610


202.9519,
230.4219, 187.5237

 20.3312, 25.1428,
14.3597

246.5019,
278.5483, 230.9628

 12.7457, 16.1835,
8.2297

295.8747,
332.9486, 280.6401

 7.3294, 9.6541,
4.1524

351.4358,

 3.7171, 5.1702,

394.0071, 336.9740

1.7093

413.5503,
462.1083, 400.3832

■ 1.5434, 2.3475,
0.3671

■ 0.3551, 0.7987,
0.0000

■ 79.6731, 92.9672,
67.7781

■ 79.6731, 92.9672,
67.7781

■ 73.7777, 90.2419,
53.3204

■ 86.2514, 95.9871,
84.8601

■ 68.5359, 87.7991,
41.3526

■ 93.5370, 99.3118,
104.6835

■ 63.9183, 85.6267,
31.7347

■ 95.0500, 100.0000,
108.9000

■ 59.8921, 83.7113,
24.3111

■ 56.4209, 82.0378,
18.9073

■ 53.4632, 80.5894,
15.3225

■ 50.9696, 79.3457,
13.3144

■ 49.2433, 78.4709,
12.5510

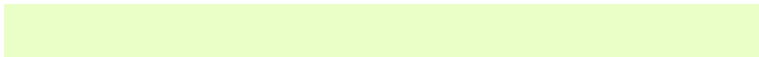
Harmonies

Analogous

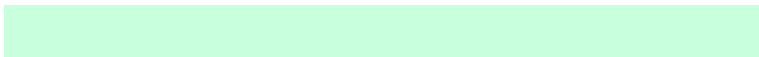
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2163, 92.9672, 61.9942



79.6731, 92.9672, 67.7781



74.7113, 92.9672, 82.4798

Triad

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



79.6731, 92.9672, 67.7781



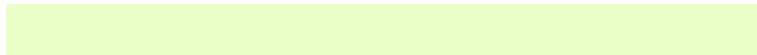
81.5486, 92.9672, 148.3998



105.3341, 92.9672, 97.9642

Complementary

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



79.6731, 92.9672, 67.7781



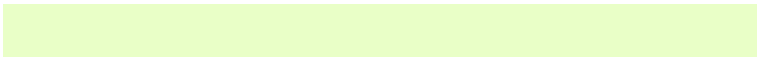
68.2932, 63.4403, 103.2535

Split Complementary

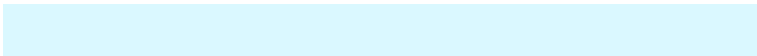
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.5829, 92.9672, 122.6158



79.6731, 92.9672, 67.7781



89.5187, 92.9672, 154.2647

Square

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



79.6731, 92.9672, 67.7781



75.7454, 92.9672, 129.2199



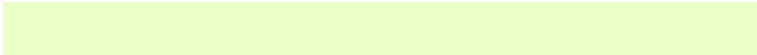
97.6619, 92.9672, 144.1857



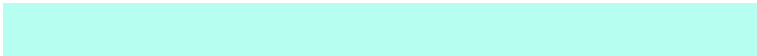
102.3083, 92.9672, 77.5978

Rectangle

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



79.6731, 92.9672, 67.7781



73.3574, 92.9672, 96.5938



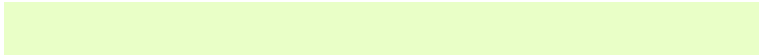
97.6619, 92.9672, 144.1857



105.2858, 92.9672, 106.0029

Sweetspot

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



79.6736, 92.9674, 67.7795



89.7750, 97.5974, 94.3422



77.2653, 76.8161, 64.7889



19.1217, 20.8470, 19.9383



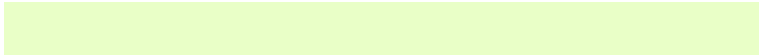
0.0000, 0.0000, 0.0000



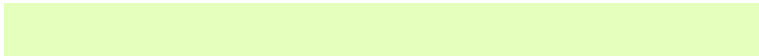
20.3446, 21.4041, 23.3091

Same Dimension

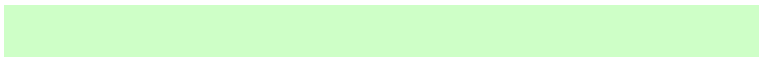
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.6736, 92.9674, 67.7795



77.2110, 91.8315, 61.6293



71.3938, 88.6990, 67.3920



18.8300, 20.7138, 19.1500



25.9032, 41.0917, 6.5662



2.6449, 4.0643, 0.6451

Inverse Universe

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



68.2932, 63.4403, 103.2535



64.1331, 57.8950, 102.4024



77.3511, 68.1098, 103.6774



17.6780, 17.7258, 22.7396



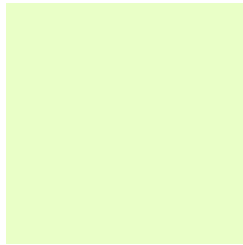
12.3437, 5.2739, 49.8020



1.3203, 0.5746, 4.8546

Previews

White Background



This preview shows how the XYZ color 79.6731, 92.9672, 67.7781 looks on a white background.

Color Contrast Check

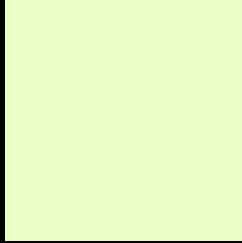
Large Text (above 18pt) WCAG AA × Fail

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 79.6731, 92.9672, 67.7781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

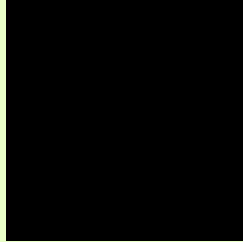
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

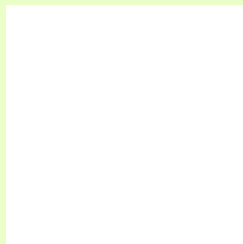
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.6731, 92.9672, 67.7781

Background



This preview shows how black text looks on a background with the XYZ color 79.6731, 92.9672, 67.7781.



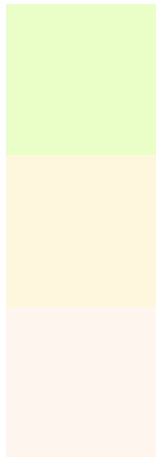
This preview shows how white text looks on a background with the XYZ color 79.6731, 92.9672,

67.7781.

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

79.6731, 92.9672, 67.7781

Protanopia

87.3806, 92.4455, 82.3455

Deuteranopia

89.4724, 92.7968, 94.8572

Tritanopia

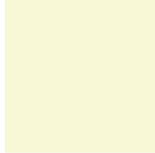
88.6620, 92.5440, 107.7975

Trichromacy



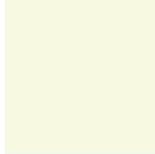
Original Color

79.6731, 92.9672, 67.7781



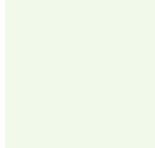
Protanomaly

84.3711, 92.3806, 77.0027



Deuteranomaly

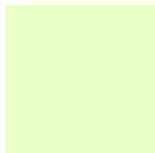
85.6880, 92.9073, 83.9377



Tritanomaly

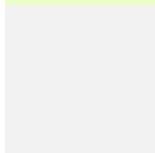
85.1467, 92.4503, 91.9542

Monochromacy



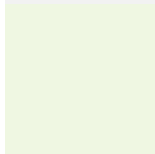
Original Color

79.6731, 92.9672, 67.7781



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.5848, 90.3632, 85.0407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.6731, 92.9672, 67.7781 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(233, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 199)  
}
```

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(233, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 199) }
```

Border

The CSS property to change the border of an element to XYZ 79.6731, 92.9672, 67.7781 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(233, 255, 199) }
```


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

```
.border{ border-color:rgb(233, 255, 199) }
```

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

Here you see how a box with a 4 pixel rgb(233, 255, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 79.6731, 92.9672, 67.7781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 199) }
```

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

```
.background{ background-color: rgb(233,  
255, 199) }
```

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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