

Converting Colors

XYZ(83.1760, 100.0000,
67.0459)

Have a look what the booklet for
XYZ(83.1760, 100.0000, 67.0459)
contains.

XYZ(79.6555, 92.9979, 65.9767)	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(79.6555, 92.9979,
65.9767)**

Conversions

Conversions Part 1

Format	Color
Hex	EAFFC4
RGB	234, 255, 196
RGB Percent	92%, 100%, 77%
CMY	0.0823, 0.0000, 0.2314
CMYK	0.08, 0.00, 0.23, 0.00
HSL	81°, 100%, 88%
HSV	81°, 23%, 100%
XYZ	79.6555, 92.9979, 65.9767
YIQ	241.9950, 6.4230, -22.8010

Conversions

Conversions Part 2

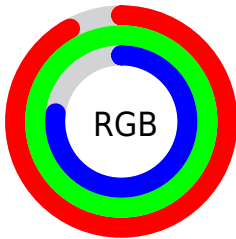
Format	Color
RYB	196, 255, 217
Decimal	15400900
CIELab	97.23, -16.64, 25.98
CIELCh	97, 30.849, 122.642
Yxy	92.9979, 0.3338, 0.3897
Android (android.graphics.Color)	4293590980 (0xFFEAFFC4)
YUV	241.9950, -22.6755, -7.0116
Hunter-Lab	96.4354, -21.3213, 26.9413

Details

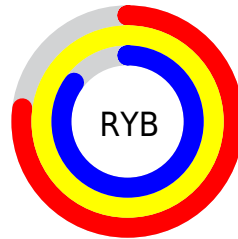
The XYZ color **79.6555, 92.9979, 65.9767** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.4062, 61.4528, 102.9693**, and the grayscale version is **84.5637, 88.9676, 96.8858**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **43.4367, 51.8061, 33.3014** is the 20% darker color. If you saturate the color by 10%, you get **74.0912, 90.4368, 51.8309**, and if you desaturate by 10%, it is **85.8670, 95.8357, 82.7305**.

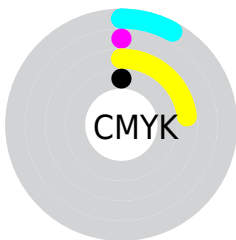
Distribution



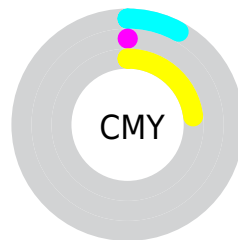
- Red (92%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (85%)



- Cyan (8%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)



- Cyan (8%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.6555, 92.9979, 65.9767 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 79.6555, 92.9979, 65.9767 by changing the saturation by 10% instead.

79.6555, 92.9979,
65.9767

79.6555, 92.9979,
65.9767

482.5253,
537.7354, 464.6955

59.7424, 70.4698,
47.7971

131.8343,
151.4957, 115.0796

43.4597, 51.9096,
33.3074

164.8308,
188.2342, 146.8400

30.4421, 36.9330,
22.0890

202.9191,
230.4782, 183.9644

20.3241, 25.1556,
13.7234

246.4645,
278.6121, 226.8713

12.7405, 16.1930,
7.7920

295.8325,
333.0204, 275.9794

7.3258, 9.6609,
3.8763

351.3884,

3.7148, 5.1747,

394.0875, 331.7070

1.5577

413.4976,
462.1977, 394.4729

■ 1.5421, 2.3501,
0.2604

■ 0.3542, 0.8000,
0.0000

■ 79.6555, 92.9979,
65.9767

■ 79.6555, 92.9979,
65.9767

■ 74.0912, 90.4368,
51.8309

■ 85.8670, 95.8357,
82.7305

■ 69.1451, 88.1402,
40.1574

■ 92.7493, 98.9596,
102.2103

■ 64.7885, 86.0966,
30.8149

■ 95.0500, 100.0000,
108.9000

■ 60.9891, 84.2927,
23.6459

■ 57.7108, 82.7137,
18.4732

■ 54.9123, 81.3430,
15.0923

■ 52.5439, 80.1603,
13.2543

■ 51.1189, 79.4378,
12.6388

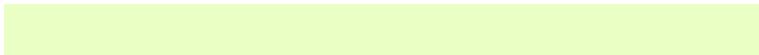
Harmonies

Analogous

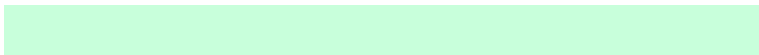
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6215, 92.9979, 60.4771



79.6555, 92.9979, 65.9767



74.3249, 92.9979, 80.7616

Triad

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



79.6555, 92.9979, 65.9767



80.9104, 92.9979, 150.1576



106.2151, 92.9979, 99.0626

Complementary

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



79.6555, 92.9979, 65.9767



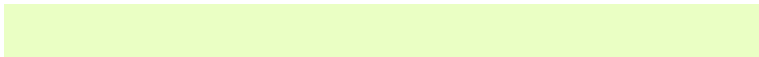
66.4062, 61.4528, 102.9693

Split Complementary

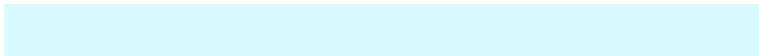
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.1300, 92.9979, 124.9604



79.6555, 92.9979, 65.9767



89.1665, 92.9979, 157.1802

Square

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



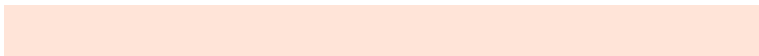
79.6555, 92.9979, 65.9767



75.0153, 92.9979, 129.4212



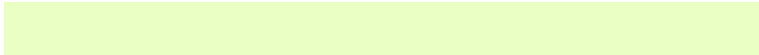
97.7444, 92.9979, 147.2989



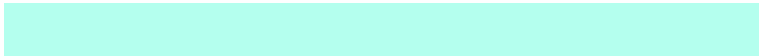
103.2707, 92.9979, 77.5106

Rectangle

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



79.6555, 92.9979, 65.9767



72.7884, 92.9979, 95.2343



97.7444, 92.9979, 147.2989



106.0793, 92.9979, 107.5324

Sweetspot

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



79.6560, 92.9982, 65.9781



90.0091, 97.7181, 94.3532



75.9272, 74.6919, 62.6411



19.1760, 20.8750, 19.9408



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

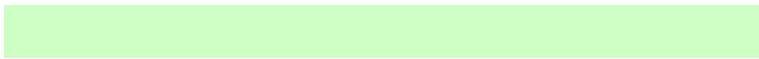
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.6560, 92.9982, 65.9781



76.8704, 91.7186, 58.7798



70.8601, 88.4637, 65.5664



18.8972, 20.7484, 19.1532



26.8792, 41.5948, 6.6119



2.7361, 4.1113, 0.6493

Inverse Universe

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



66.4062, 61.4528, 102.9693



61.4058, 54.8923, 101.9666



75.8493, 66.3209, 103.4113



17.6131, 17.6923, 22.7366



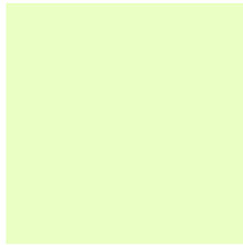
11.8204, 5.0041, 49.7775



1.2646, 0.5459, 4.8520

Previews

White Background



This preview shows how the XYZ color 79.6555, 92.9979, 65.9767 looks on a white background.

Color Contrast Check

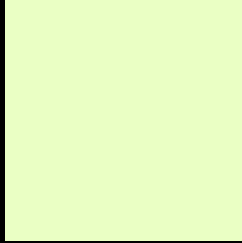
Large Text (above 18pt) WCAG AA × Fail

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 79.6555, 92.9979, 65.9767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

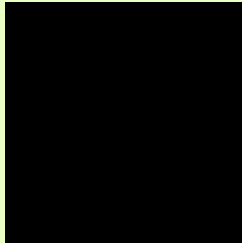
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

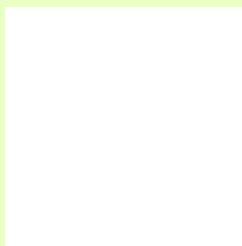
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.6555, 92.9979, 65.9767

Background



This preview shows how black text looks on a background with the XYZ color 79.6555, 92.9979, 65.9767.



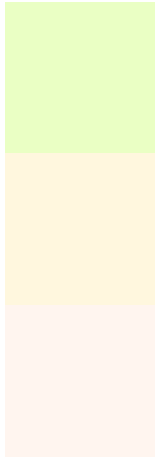
This preview shows how white text looks on a background with the XYZ color 79.6555, 92.9979,

65.9767.

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

79.6555, 92.9979, 65.9767

Protanopia

87.6856, 93.0555, 82.4472

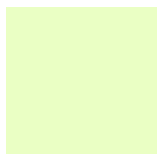
Deuteranopia

89.4724, 92.7968, 94.8572

Tritanopia

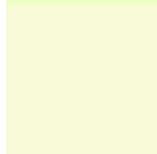
89.0118, 92.7244, 107.8139

Trichromacy



Original Color

79.6555, 92.9979, 65.9767



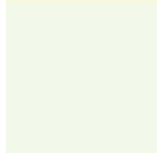
Protanomaly

84.5536, 92.9495, 76.4354



Deuteranomaly

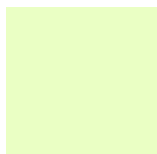
85.5527, 92.8532, 83.2254



Tritanomaly

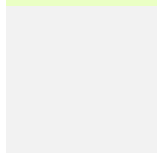
85.3449, 92.5691, 91.2114

Monochromacy



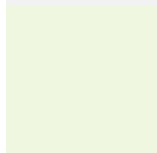
Original Color

79.6555, 92.9979, 65.9767



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.4480, 90.3085, 84.3200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.6555, 92.9979, 65.9767 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(234, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 196)  
}
```

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(234, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 196) }
```

Border

The CSS property to change the border of an element to XYZ 79.6555, 92.9979, 65.9767 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(234, 255, 196) }
```


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

```
.border{ border-color:rgb(234, 255, 196) }
```

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

Here you see how a box with a 4 pixel rgb(234, 255, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 79.6555, 92.9979, 65.9767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 196) }
```

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

```
.background{ background-color: rgb(234,  
255, 196) }
```

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