

Converting Colors

XYZ(83.0459, 99.8575, 69.6332)

Have a look what the booklet for
XYZ(83.0459, 99.8575, 69.6332)
contains.

XYZ(79.4640, 92.8459, 68.3764)	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(79.4640, 92.8459,
68.3764)**

Conversions

Conversions Part 1

Format	Color
Hex	E8FFC8
RGB	232, 255, 200
RGB Percent	91%, 100%, 78%
CMY	0.0902, 0.0000, 0.2157
CMYK	0.09, 0.00, 0.22, 0.00
HSL	85°, 100%, 89%
HSV	85°, 22%, 100%
XYZ	79.4640, 92.8459, 68.3764
YIQ	241.8530, 3.9470, -21.9810

Conversions

Conversions Part 2

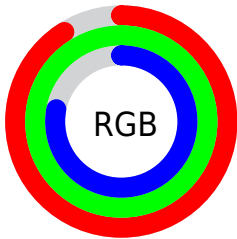
Format	Color
R _Y B	200, 255, 223
Decimal	15269832
CIE Lab	97.17, -16.75, 23.84
CIE LCh	97, 29.140, 125.091
Yxy	92.8459, 0.3302, 0.3858
Android (android.graphics.Color)	4293459912 (0xFFE8FFC8)
YUV	241.8530, -20.6335, -8.6411
Hunter-Lab	96.3566, -21.4174, 25.3763

Details

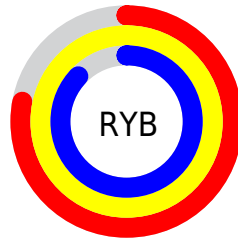
The XYZ color **79.4640, 92.8459, 68.3764** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.1366, 64.2177, 103.3591**, and the grayscale version is **84.4370, 88.8343, 96.7406**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.2869, 51.6936, 34.8905** is the 20% darker color. If you saturate the color by 10%, you get **73.3706, 90.0207, 53.8102**, and if you desaturate by 10%, it is **86.2657, 95.9787, 85.5729**.

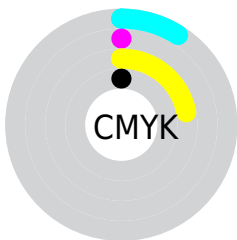
Distribution



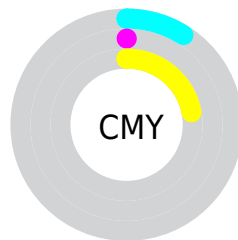
- Red (91%)
- Green (100%)
- Blue (78%)



- 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 79.4640, 92.8459, 68.3764 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 79.4640, 92.8459, 68.3764 by changing the saturation by 10% instead.


 79.4640, 92.8459,
68.3764

 79.4640, 92.8459,
68.3764


481.8887,
537.2456, 473.4627

 59.5843, 70.3434,
49.7354


131.5664,
151.2852, 118.5497

 43.3319, 51.8066,
34.8335


164.5198,
187.9909, 150.9192

 30.3412, 36.8509,
23.2521


202.5618,
230.1998, 188.7019

 20.2471, 25.0921,
14.5727

246.0578,
278.2962, 232.3163

 12.6841, 16.1457,
8.3768

295.3732,
332.6646, 282.1811

 7.2869, 9.6273,
4.2458

350.8732,

 3.6901, 5.1525,

393.6894, 338.7147

1.7611

412.9233,
461.7549, 402.3357

■ 1.5283, 2.3370,
0.4021

■ 0.3450, 0.7932,
0.0000

■ 79.4640, 92.8459,
68.3764

■ 79.4640, 92.8459,
68.3764

■ 73.3706, 90.0207,
53.8102

■ 86.2657, 95.9787,
85.5729

■ 67.9555, 87.4907,
41.7404

■ 93.8005, 99.4295,
105.5166

■ 63.1887, 85.2434,
32.0273

■ 95.0500, 100.0000,
108.9000

■ 59.0369, 83.2650,
24.5160

■ 55.4632, 81.5404,
19.0328

■ 52.4256, 80.0521,
15.3780

■ 49.8741, 78.7799,
13.3115

■ 48.0385, 77.8498,
12.4946

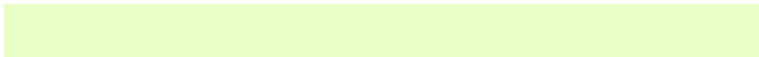
Harmonies

Analogous

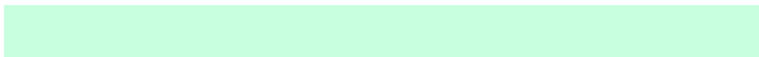
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8513, 92.8459, 62.3564



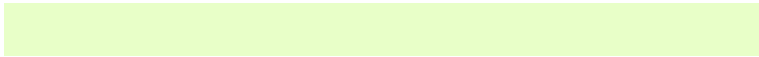
79.4640, 92.8459, 68.3764



74.6662, 92.8459, 83.1913

Triad

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



79.4640, 92.8459, 68.3764



81.7523, 92.8459, 147.9900



104.9562, 92.8459, 97.1272

Complementary

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



79.4640, 92.8459, 68.3764



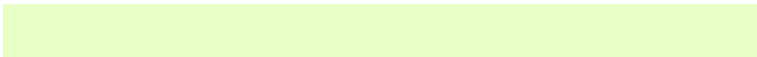
69.1366, 64.2177, 103.3591

Split Complementary

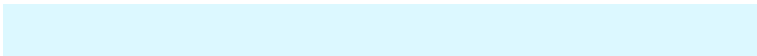
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.3827, 92.8459, 121.3955



79.4640, 92.8459, 68.3764



89.6581, 92.8459, 153.2530

Square

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



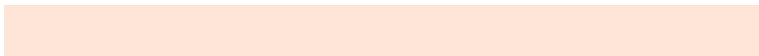
79.4640, 92.8459, 68.3764



75.9287, 92.8459, 129.4315



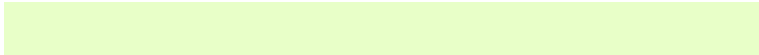
97.6550, 92.8459, 142.8684



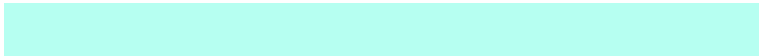
101.8309, 92.8459, 77.2265

Rectangle

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



79.4640, 92.8459, 68.3764



73.4091, 92.8459, 97.2667



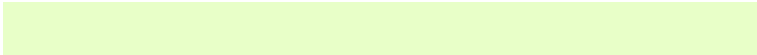
97.6550, 92.8459, 142.8684



104.9611, 92.8459, 105.0192

Sweetspot

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



79.4645, 92.8462, 68.3778



90.3688, 97.8601, 96.3306



78.0313, 78.1617, 65.6189



19.2371, 20.8977, 20.3390



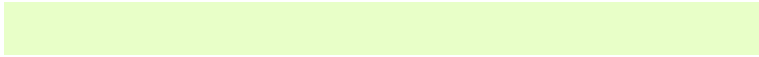
0.0000, 0.0000, 0.0000



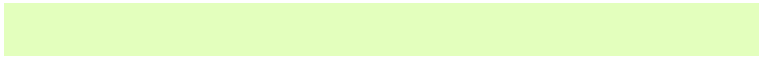
20.3446, 21.4041, 23.3091

Same Dimension

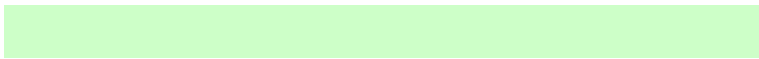
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.4645, 92.8462, 68.3778



76.6780, 91.5567, 61.6044



71.2482, 88.6105, 67.9933



18.7841, 20.6901, 19.1479



25.2752, 40.7679, 6.5369



2.5855, 4.0337, 0.6423

Inverse Universe

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



69.1366, 64.2177, 103.3591



64.6279, 58.1501, 102.4256



78.2787, 68.9306, 103.7870



17.7228, 17.7488, 22.7417



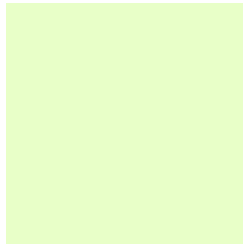
12.7379, 5.4771, 49.8204



1.3613, 0.5957, 4.8565

Previews

White Background



This preview shows how the XYZ color 79.4640, 92.8459, 68.3764 looks on a white background.

Color Contrast Check

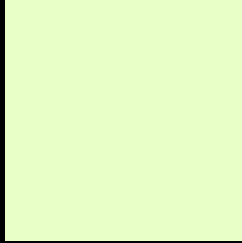
Large Text (above 18pt) WCAG AA × Fail

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 79.4640, 92.8459, 68.3764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

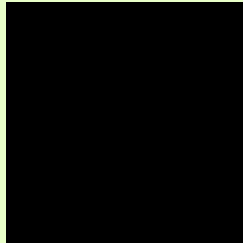
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

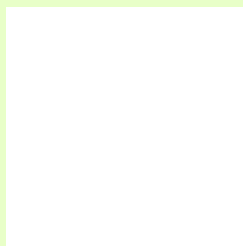
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.4640, 92.8459, 68.3764

Background



This preview shows how black text looks on a background with the XYZ color 79.4640, 92.8459, 68.3764.



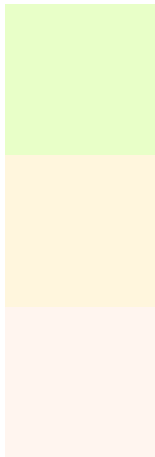
This preview shows how white text looks on a background with the XYZ color 79.4640, 92.8459,

68.3764.

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

79.4640, 92.8459, 68.3764

Protanopia

87.2469, 92.3920, 81.6416

Deuteranopia

89.4724, 92.7968, 94.8572

Tritanopia

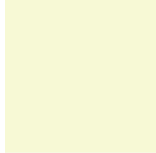
88.3140, 92.3646, 107.7813

Trichromacy



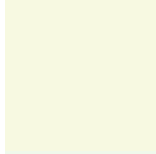
Original Color

79.4640, 92.8459, 68.3764



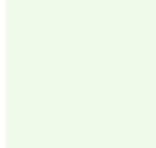
Protanomaly

84.2437, 92.3296, 76.3321



Deuteranomaly

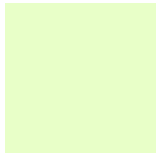
85.8241, 92.9618, 84.6542



Tritanomaly

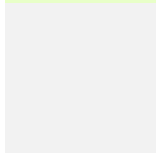
84.8063, 92.2748, 91.9383

Monochromacy



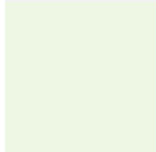
Original Color

79.4640, 92.8459, 68.3764



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.3858, 90.2447, 85.7498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.4640, 92.8459, 68.3764 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(232, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 200)  
}
```

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(232, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 200) }
```

Border

The CSS property to change the border of an element to XYZ 79.4640, 92.8459, 68.3764 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(232, 255, 200) }
```


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

```
.border{ border-color:rgb(232, 255, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 255, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 255, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 255, 200); box-shadow:4px 4px 4px 4px rgb(232, 255, 200) }
```

Background

The CSS property to change the background color of an element to XYZ 79.4640, 92.8459, 68.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 200) }
```

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

```
.background{ background-color: rgb(232,  
255, 200) }
```

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