

Converting Colors

XYZ(85.7194, 104.1964,
71.1893)

Have a look what the booklet for
XYZ(85.7194, 104.1964, 71.1893)
contains.

XYZ(80.3524, 93.2767, 69.6463)	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(80.3524, 93.2767,
69.6463)**

Conversions

Conversions Part 1

Format	Color
Hex	EAFFCA
RGB	234, 255, 202
RGB Percent	92%, 100%, 79%
CMY	0.0823, 0.0000, 0.2078
CMYK	0.08, 0.00, 0.21, 0.00
HSL	84°, 100%, 90%
HSV	84°, 21%, 100%
XYZ	80.3524, 93.2767, 69.6463
YIQ	242.6790, 4.4970, -20.9350

Conversions

Conversions Part 2

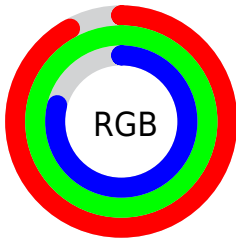
Format	Color
R_{YB}	202, 255, 223
Decimal	15400906
CIE _{Lab}	97.34, -15.76, 23.09
CIE _{LCh}	97, 27.954, 124.308
Yxy	93.2767, 0.3303, 0.3834
Android (android.graphics.Color)	4293590986 (0xFFEAFPCA)
YUV	242.6790, -20.0547, -7.6115
Hunter-Lab	96.5799, -20.5065, 24.8503

Details

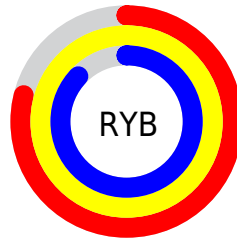
The XYZ color **80.3524, 93.2767, 69.6463** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.6028, 65.1502, 103.5145**, and the grayscale version is **85.0875, 89.5186, 97.4858**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8995, 51.9913, 35.7385** is the 20% darker color. If you saturate the color by 10%, you get **74.3549, 90.5054, 54.8857**, and if you desaturate by 10%, it is **87.0391, 96.3457, 87.0461**.

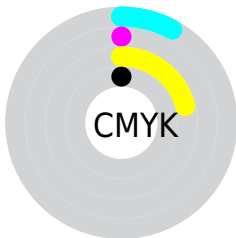
Distribution



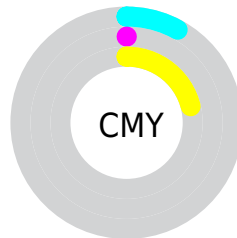
- Red (92%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (87%)



- Cyan (8%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.3524, 93.2767, 69.6463 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 80.3524, 93.2767, 69.6463 by changing the saturation by 10% instead.

 80.3524, 93.2767,
69.6463

 80.3524, 93.2767,
69.6463


484.8381,
538.6332, 478.0627

 60.3178, 70.7015,
50.7632


132.8090,
151.8816, 120.3806

 43.9253, 52.0986,
35.6448


165.9618,
188.6802, 153.0689

 30.8095, 37.0837,
23.8725

204.2180,
230.9886, 191.1960

 20.6049, 25.2723,
15.0277

247.9430,
279.1914, 235.1805

 12.9463, 16.2801,
8.6920

297.5021,
333.6728, 285.4408

 7.4683, 9.7225,
4.4468

353.2608,

 3.8056, 5.2154,

394.8173, 342.3956

1.8735

415.5844,
463.0093, 406.4634

■ 1.5928, 2.3742,
0.4758

■ 0.3877, 0.8126,
0.0000

■ 80.3524, 93.2767,
69.6463

■ 80.3524, 93.2767,
69.6463

■ 74.3549, 90.5054,
54.8857

■ 87.0391, 96.3457,
87.0461

■ 69.0175, 88.0195,
42.6310

■ 94.4393, 99.7222,
107.2012

■ 64.3108, 85.8071,
32.7436

■ 95.0500, 100.0000,
108.9000

■ 60.2024, 83.8548,
25.0697

■ 56.6565, 82.1478,
19.4376

■ 53.6319, 80.6693,
15.6500

■ 51.0804, 79.3995,
13.4707

■ 49.0794, 78.3864,
12.5433

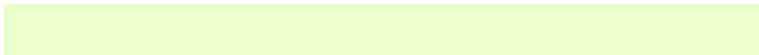
Harmonies

Analogous

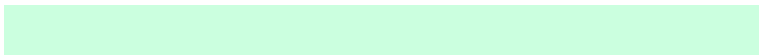
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5184, 93.2767, 64.0048



80.3524, 93.2767, 69.6463



75.6374, 93.2767, 83.8141

Triad

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



80.3524, 93.2767, 69.6463



82.2211, 93.2767, 146.1199



104.7150, 93.2767, 98.3235

Complementary

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



80.3524, 93.2767, 69.6463



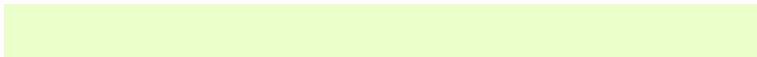
69.6028, 65.1502, 103.5145

Split Complementary

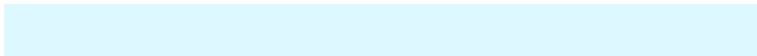
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.0903, 93.2767, 121.6546



80.3524, 93.2767, 69.6463



89.8048, 93.2767, 151.5198

Square

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



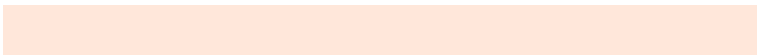
80.3524, 93.2767, 69.6463



76.6704, 93.2767, 128.1632



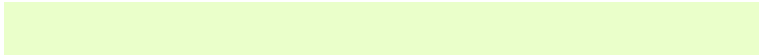
97.5143, 93.2767, 141.9870



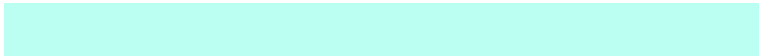
101.8314, 93.2767, 78.9233

Rectangle

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



80.3524, 93.2767, 69.6463



74.3587, 93.2767, 97.3005



97.5143, 93.2767, 141.9870



104.6792, 93.2767, 105.9471

Sweetspot

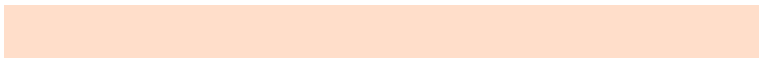
The Sweet Spot groups the original color and five complimentary colors.



80.3530, 93.2770, 69.6477



90.4884, 97.9218, 96.3362



78.1068, 77.9360, 66.8050



19.2653, 20.9123, 20.3403



0.0000, 0.0000, 0.0000



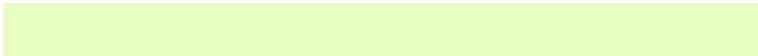
20.3446, 21.4041, 23.3091

Same Dimension

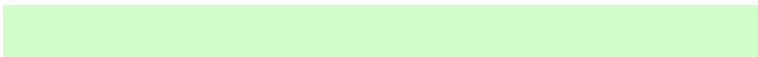
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3530, 93.2770, 69.6477



77.7415, 92.0727, 63.1090



72.4855, 89.2211, 69.2795



18.8239, 20.7106, 19.1498



25.8179, 41.0477, 6.5623



2.6369, 4.0601, 0.6447

Inverse Universe

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



69.6028, 65.1502, 103.5145



65.2050, 59.2674, 102.6108



78.1727, 69.5682, 103.9156



17.6840, 17.7288, 22.7399



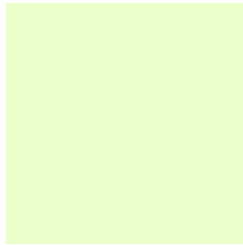
12.3944, 5.3000, 49.8043



1.3256, 0.5773, 4.8548

Previews

White Background



This preview shows how the XYZ color 80.3524, 93.2767, 69.6463 looks on a white background.

Color Contrast Check

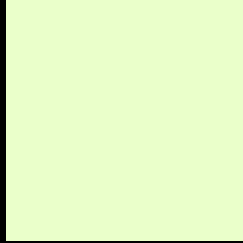
Large Text (above 18pt) WCAG AA × Fail

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 80.3524, 93.2767, 69.6463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

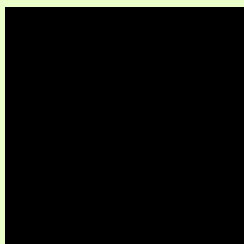
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

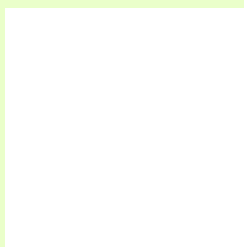
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.3524, 93.2767, 69.6463

Background



This preview shows how black text looks on a background with the XYZ color 80.3524, 93.2767, 69.6463.

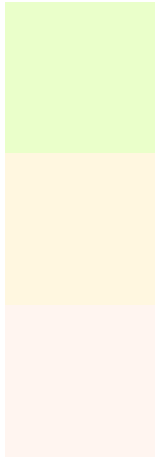


This preview shows how white text looks on a background with the XYZ color 80.3524, 93.2767,

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

80.3524, 93.2767, 69.6463

Protanopia

87.9553, 93.1633, 83.8676

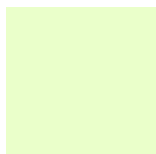
Deuteranopia

89.6206, 92.8561, 95.6376

Tritanopia

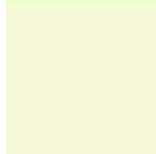
89.3168, 93.3344, 107.9156

Trichromacy



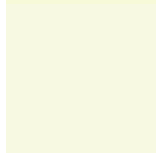
Original Color

80.3524, 93.2767, 69.6463



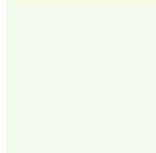
Protanomaly

84.9380, 93.1032, 78.4598



Deuteranomaly

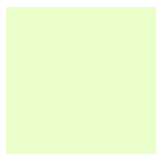
85.9609, 93.0165, 85.3749



Tritanomaly

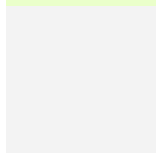
85.9439, 93.3046, 92.8367

Monochromacy



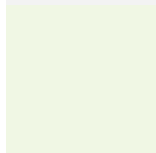
Original Color

80.3524, 93.2767, 69.6463



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.1995, 90.6482, 86.5106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3524, 93.2767, 69.6463 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 202) }
```

Border

The CSS property to change the border of an element to XYZ 80.3524, 93.2767, 69.6463 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, 202) }
```


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

```
.border{ border-color:rgb(234, 255, 202) }
```

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, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3524, 93.2767, 69.6463 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, 202) }
```

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

```
.background{ background-color: rgb(234,  
255, 202) }
```

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