

# Converting Colors

XYZ(80.2384, 93.4618, 58.6262)

Have a look what the booklet for  
XYZ(80.2384, 93.4618, 58.6262)  
contains.

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# Color

**XYZ(80.2424, 93.4642,  
58.6109)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0FFB7
RGB	240, 255, 183
RGB Percent	94%, 100%, 72%
CMY	0.0588, 0.0000, 0.2823
CMYK	0.06, 0.00, 0.28, 0.00
HSL	73°, 100%, 86%
HSV	73°, 28%, 100%
XYZ	80.2424, 93.4642, 58.6109
YIQ	242.3070, 14.1720, -25.5720

# Conversions

## Conversions Part 2

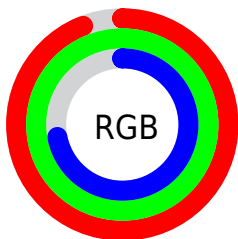
<b>Format</b>	<b>Color</b>
<b>RYB</b>	183, 255, 198
Decimal	15794103
CIELab	97.42, -16.30, 32.85
CIElCh	97, 36.672, 116.388
Yxy	93.4642, 0.3454, 0.4023
Android (android.graphics.Color)	4293984183 (0xFFFF0FFB7)
YUV	242.3070, -29.2384, -2.0232
Hunter-Lab	96.6769, -21.0285, 31.7289

# Details

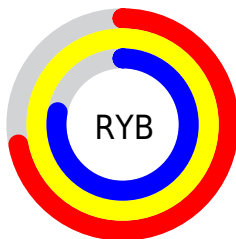
The XYZ color **80.2424, 93.4642, 58.6109** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **58.2732, 53.0940, 101.7846**, and the grayscale version is **84.8570, 89.2761, 97.2217**.

A 20% lighter version of the original color is **92.5800, 99.0120, 95.8931**, and **43.6850, 52.0404, 28.5112** is the 20% darker color. If you saturate the color by 10%, you get **76.0467, 91.5806, 45.7924**, and if you desaturate by 10%, it is **84.9725, 95.5676, 73.9670**.

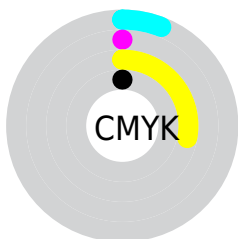
# Distribution



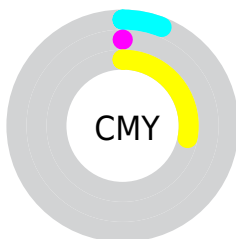
- Red (94%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (78%)



- Cyan (6%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2424, 93.4642, 58.6109 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 80.2424, 93.4642, 58.6109 by changing the saturation by 10% instead.





 80.2424, 93.4642,  
58.6109

 80.2424, 93.4642,  
58.6109


484.4735,  
539.2365, 437.1201

 60.2270, 70.8574,  
41.8820

 132.6552,  
152.1411, 104.3355

 43.8518, 52.2258,  
28.6840


165.7833,  
188.9800, 134.1683

 30.7514, 37.1851,  
18.5984


204.0131,  
231.3318, 169.2061

 20.5605, 25.3508,  
11.2066

247.7098,  
279.5807, 209.8676

 12.9138, 16.3386,  
6.0901

297.2388,  
334.1112, 256.5712

 7.4458, 9.7641,  
2.8302

352.9655,

 3.7912, 5.2428,

395.3078, 309.7354

1.0086

415.2553,  
463.5548, 369.7789

■ 1.5847, 2.3904,  
0.0000

■ 0.3824, 0.8210,  
0.0000

■ 80.2424, 93.4642,  
58.6109

■ 80.2424, 93.4642,  
58.6109

■ 76.0467, 91.5806,  
45.7924

■ 84.9725, 95.5676,  
73.9670

■ 72.3580, 89.9058,  
35.3705

■ 90.2605, 97.9004,  
91.9831

■ 69.1476, 88.4284,  
27.1970

95.0500, 100.0000,  
108.9000

■ 66.3836, 87.1354,  
21.1051

■ 64.0293, 86.0123,  
16.9052

■ 62.0419, 85.0418,  
14.3732

■ 60.3622, 84.2000,  
13.2001

■ 60.0831, 84.0590,  
13.0583

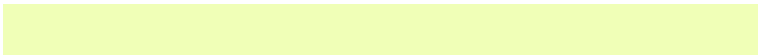
# Harmonies

## Analogous

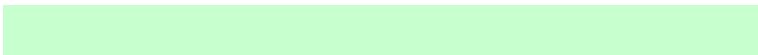
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1003, 93.4642, 54.6525



80.2424, 93.4642, 58.6109



73.2039, 93.4642, 73.2485

# Triad

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



80.2424, 93.4642, 58.6109



78.2213, 93.4642, 157.2846



110.3183, 93.4642, 105.4163

# Complementary

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



80.2424, 93.4642, 58.6109



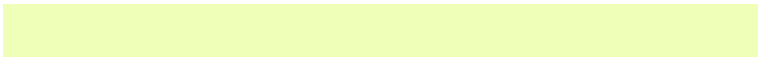
58.2732, 53.0940, 101.7846

# 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.



106.5462, 93.4642, 136.8654



80.2424, 93.4642, 58.6109



87.5815, 93.4642, 170.2709

# Square

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



80.2424, 93.4642, 58.6109



72.1025, 93.4642, 129.3940



98.0199, 93.4642, 162.1555

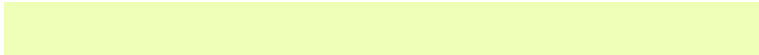


107.9743, 93.4642, 78.3814

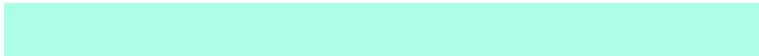


# Rectangle

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



80.2424, 93.4642, 58.6109



70.7866, 93.4642, 88.8779



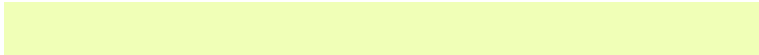
98.0199, 93.4642, 162.1555



109.7165, 93.4642, 115.8447

# Sweetspot

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



80.2428, 93.4643, 58.6122



90.3913, 97.9579, 92.4382



69.8451, 64.7943, 53.6264



19.1689, 20.8885, 19.1659



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

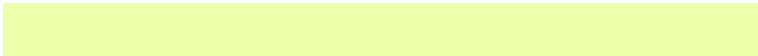


# Same Dimension

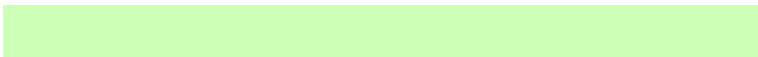
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2428, 93.4643, 58.6122



77.7600, 92.3521, 50.9198



69.3746, 87.8616, 58.1036



19.1689, 20.8885, 19.1659



31.5233, 43.9889, 6.8293



3.1579, 4.3287, 0.6691



# Inverse Universe

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



58.2732, 53.0940, 101.7846



52.4460, 45.8208, 100.6878



68.7192, 58.4791, 102.2734



17.3565, 17.5600, 22.7246



10.3005, 4.2206, 49.7063

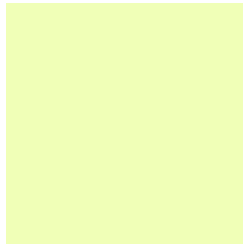


1.0885, 0.4550, 4.8437



# Previews

## White Background



This preview shows how the XYZ color 80.2424, 93.4642, 58.6109 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

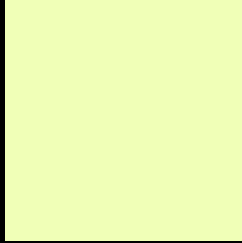
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.2424, 93.4642, 58.6109 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

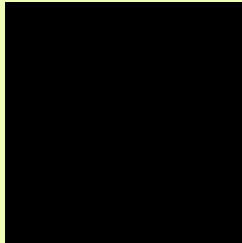
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 80.2424, 93.4642, 58.6109**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.2424, 93.4642, 58.6109.



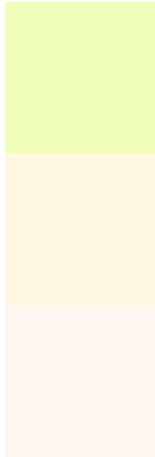
This preview shows how white text looks on a background with the XYZ color 80.2424, 93.4642,



# 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**

80.2424, 93.4642, 58.6109

**Protanopia**

87.8200, 93.1092, 83.1553

**Deuteranopia**

89.7758, 93.4035, 94.9583

## **Tritanopia**

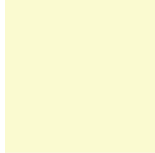
90.0727, 93.2713, 107.8636

# Trichromacy



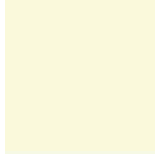
## Original Color

80.2424, 93.4642, 58.6109



## Protanomaly

84.9951, 93.2493, 73.1937



## Deuteranomaly

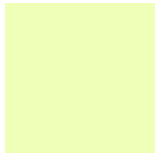
86.0862, 93.1898, 80.4680



## Tritanomaly

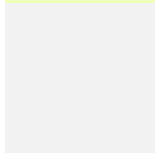
86.0246, 93.0013, 87.5458

# Monochromacy



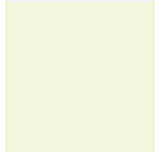
## Original Color

80.2424, 93.4642, 58.6109



## Achromatopsia

84.3971, 88.7923, 96.6948



## Achromatomaly

82.5875, 90.4428, 81.5110

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.2424, 93.4642, 58.6109 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(240, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 183)  
}
```

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(240, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 80.2424, 93.4642, 58.6109 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(240, 255, 183) }
```



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

```
.border{ border-color:rgb(240, 255, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 255, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.2424, 93.4642, 58.6109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 183) }
```

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

```
.background{ background-color: rgb(240,  
255, 183) }
```

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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