

# Converting Colors

XYZ(80.2386, 92.8655, 64.1490)

Have a look what the booklet for  
XYZ(80.2386, 92.8655, 64.1490)  
contains.

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# Color

**XYZ(80.3273, 92.9110,  
64.1520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEFEC1
RGB	238, 254, 193
RGB Percent	93%, 100%, 76%
CMY	0.0667, 0.0039, 0.2431
CMYK	0.06, 0.00, 0.24, 0.00
HSL	76°, 97%, 88%
HSV	76°, 24%, 100%
XYZ	80.3273, 92.9110, 64.1520
YIQ	242.2620, 10.0450, -22.3630

# Conversions

## Conversions Part 2

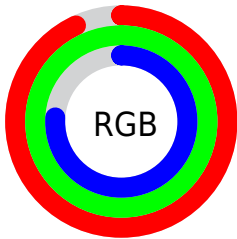
<b>Format</b>	<b>Color</b>
<b>RYB</b>	193, 254, 209
Decimal	15662785
CIELab	97.19, -15.17, 27.49
CIELCh	97, 31.397, 118.884
Yxy	92.9110, 0.3384, 0.3914
Android (android.graphics.Color)	4293852865 (0xFFEEFEC1)
YUV	242.2620, -24.2862, -3.7378
Hunter-Lab	96.3904, -19.9294, 28.0132

# Details

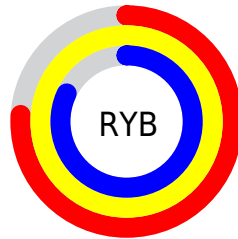
The XYZ color **80.3273, 92.9110, 64.1520** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.2576, 58.8535, 101.7969**, and the grayscale version is **84.7885, 89.2041, 97.1432**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **43.9179, 51.7417, 32.0985** is the 20% darker color. If you saturate the color by 10%, you get **75.5382, 90.7447, 50.3857**, and if you desaturate by 10%, it is **85.6908, 95.3228, 80.4892**.

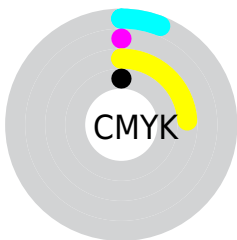
# Distribution



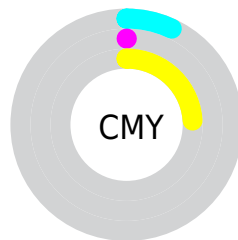
- Red (93%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (82%)



- Cyan (6%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.3273, 92.9110, 64.1520 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 80.3273, 92.9110, 64.1520 by changing the saturation by 10% instead.



80.3273, 92.9110,  
64.1520

80.3273, 92.9110,  
64.1520

484.7549,  
537.4554, 457.9609

60.2971, 70.3975,  
46.3268

132.7739,  
151.3754, 112.4314

43.9085, 51.8507,  
32.1533

165.9210,  
188.0951, 143.7227

30.7962, 36.8861,  
21.2128

204.1712,  
230.3190, 180.3398

20.5948, 25.1193,  
13.0869

247.8898,  
278.4315, 222.7012

12.9389, 16.1660,  
7.3570

297.4421,  
332.8170, 271.2254

7.4632, 9.6417,  
3.6045

353.1934,

3.8023, 5.1620,

393.8599, 326.3311

1.4110

415.5093,  
461.9446, 388.4367

■ 1.5909, 2.3426,  
0.1503

■ 0.3865, 0.7961,  
0.0000

■ 80.3273, 92.9110,  
64.1520

■ 80.3273, 92.9110,  
64.1520

■ 75.5382, 90.7447,  
50.3857

■ 85.6908, 95.3228,  
80.4892

■ 71.2904, 88.8014,  
39.0534

■ 91.6454, 97.9777,  
99.5130

■ 67.5586, 87.0737,  
30.0144

94.7338, 99.3675,  
108.7946

■ 64.3117, 85.5494,  
23.1113

■ 61.5154, 84.2143,  
18.1669

■ 59.1295, 83.0525,  
14.9756

■ 57.1054, 82.0443,  
13.2857

■ 56.0260, 81.4981,  
12.7778

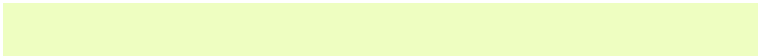
# Harmonies

## Analogous

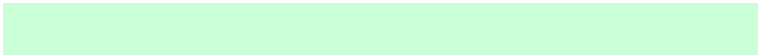
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6415, 92.9110, 59.7788



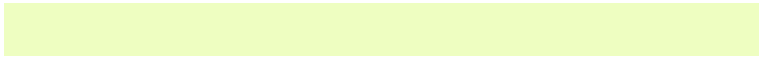
80.3273, 92.9110, 64.1520



74.5028, 92.9110, 77.9722

# Triad

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



80.3273, 92.9110, 64.1520



79.7887, 92.9110, 148.9870



106.4747, 92.9110, 102.1181

# Complementary

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



80.3273, 92.9110, 64.1520



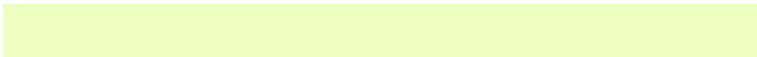
63.2576, 58.8535, 101.7969

# 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.



103.7237, 92.9110, 128.5518



80.3273, 92.9110, 64.1520



87.9775, 92.9110, 158.2539

# Square

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



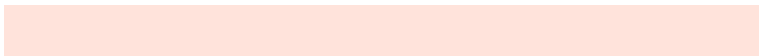
80.3273, 92.9110, 64.1520



74.2068, 92.9110, 126.6294



96.8029, 92.9110, 150.2211

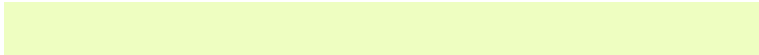


104.0937, 92.9110, 79.3648

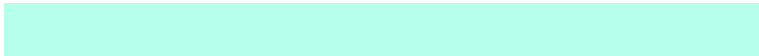


# Rectangle

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



80.3273, 92.9110, 64.1520



72.6145, 92.9110, 92.0400



96.8029, 92.9110, 150.2211



106.1164, 92.9110, 110.8725

# Sweetspot

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



80.3297, 92.9151, 64.1540



90.6059, 98.0257, 94.3811



73.1189, 70.1577, 60.1414



19.3144, 20.9464, 19.9473



0.0000, 0.0000, 0.0000

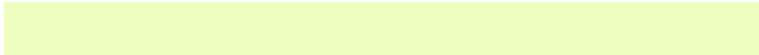


20.3446, 21.4041, 23.3091

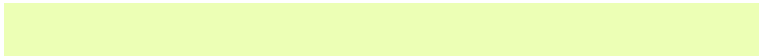


# Same Dimension

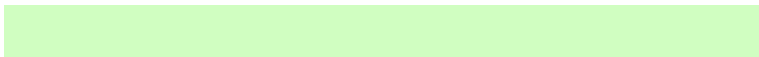
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3297, 92.9151, 64.1540



78.5643, 92.6223, 57.4801



71.1533, 88.1845, 63.7245



19.0688, 20.8369, 19.1612



29.6821, 43.0397, 6.7431



2.9927, 4.2436, 0.6614



# Inverse Universe

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



63.2576, 58.8535, 101.7969



58.5245, 52.6298, 101.6817



72.4748, 63.6052, 102.2283



17.4499, 17.6081, 22.7290



10.7557, 4.4553, 49.7276

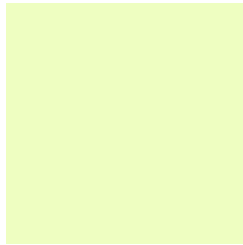


1.1446, 0.4840, 4.8464



# Previews

## White Background



This preview shows how the XYZ color 80.3273, 92.9110, 64.1520 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

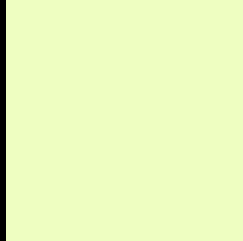
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.3273, 92.9110, 64.1520 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

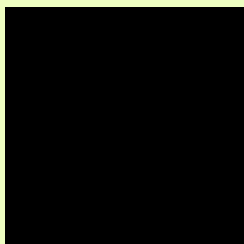
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

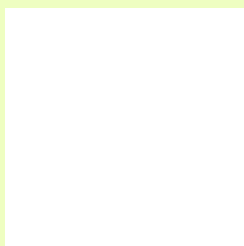
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 80.3273, 92.9110, 64.1520**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.3273, 92.9110, 64.1520.



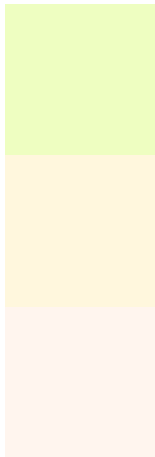
This preview shows how white text looks on a background with the XYZ color 80.3273, 92.9110,



# 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

80.3273, 92.9110, 64.1520

### Protanopia

87.5519, 93.0020, 81.7433

### Deuteranopia

89.3250, 92.7379, 94.0812

## **Tritanopia**

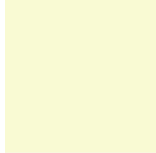
89.3635, 92.9057, 107.8304

# Trichromacy



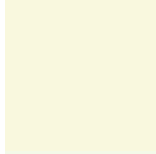
## Original Color

80.3273, 92.9110, 64.1520



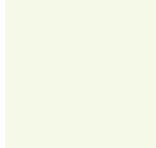
## Protanomaly

85.0104, 93.2141, 75.1396



## Deuteranomaly

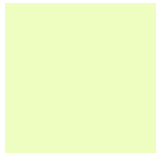
85.8191, 92.5485, 82.4477



## Tritanomaly

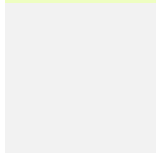
85.7494, 92.8107, 89.7387

# Monochromacy



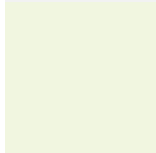
## Original Color

80.3273, 92.9110, 64.1520



## Achromatopsia

84.3971, 88.7923, 96.6948



## Achromatomaly

82.6859, 89.9941, 83.5336

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.3273, 92.9110, 64.1520 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(238, 254, 193)` looks like.

```
.text, #text, p{  
    color:rgb(238, 254, 193)  
}
```

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(238, 254, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 254, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 80.3273, 92.9110, 64.1520 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(238, 254, 193) }
```



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

```
.border{ border-color:rgb(238, 254, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 254, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 254, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 254, 193);  
box-shadow:4px 4px 4px 4px rgb(238, 254,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.3273, 92.9110, 64.1520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 254, 193) }
```

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

```
.background{ background-color: rgb(238,  
254, 193) }
```

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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