

# Converting Colors

XYZ(83.2105, 92.6213, 54.7019)

Have a look what the booklet for  
XYZ(83.2105, 92.6213, 54.7019)  
contains.

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# **Color**

**XYZ(83.2621, 92.7658,  
54.5915)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFAB0
RGB	255, 250, 176
RGB Percent	100%, 98%, 69%
CMY	0.0000, 0.0196, 0.3098
CMYK	0.00, 0.02, 0.31, 0.00
HSL	56°, 100%, 85%
HSV	56°, 31%, 100%
XYZ	83.2621, 92.7658, 54.5915
YIQ	243.0590, 26.7340, -21.9540

# Conversions

## Conversions Part 2

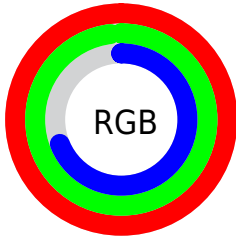
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">181, 255, 176</a>
Decimal	<a href="#">16775856</a>
<a href="#">CIELab</a>	<a href="#">97.13, -9.22, 36.17</a>
<a href="#">CIELCh</a>	<a href="#">97, 37.328, 104.305</a>
<a href="#">Yxy</a>	<a href="#">92.7658, 0.3610, 0.4022</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4294965936 (0xFFFFFAB0)</a>
<a href="#">YUV</a>	<a href="#">243.0590, -33.0601, 10.4723</a>
<a href="#">Hunter-Lab</a>	<a href="#">96.3150, -14.2421, 33.8148</a>

# Details

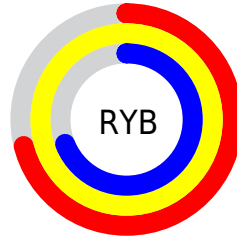
The XYZ color **83.2621, 92.7658, 54.5915** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.4781, 49.4965, 101.3956**, and the grayscale version is **85.4803, 89.9320, 97.9359**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **45.8929, 51.8840, 26.3347** is the 20% darker color. If you saturate the color by 10%, you get **80.4744, 90.8560, 42.3622**, and if you desaturate by 10%, it is **86.5325, 94.8821, 69.3220**.

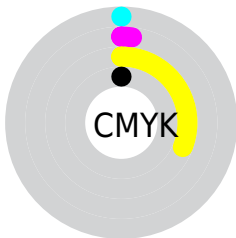
# Distribution



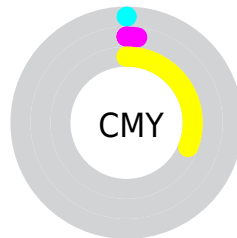
- Red (100%)
- Green (98%)
- Blue (69%)



- Red (71%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (2%)
- Yellow (31%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.2621, 92.7658, 54.5915 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 83.2621, 92.7658, 54.5915 by changing the saturation by 10% instead.




 83.2621, 92.7658,  
54.5915

 83.2621, 92.7658,  
54.5915


494.4303,  
536.9874, 421.5998

 62.7240, 70.2769,  
38.6784


 136.8691,  
151.1743, 98.4073

 45.8758, 51.7523,  
26.2037


170.6688,  
187.8627, 127.1471

 32.3520, 36.8077,  
16.7490


209.6197,  
230.0530, 160.9995

 21.7874, 25.0586,  
9.8956

254.0872,  
278.1297, 200.3831

 13.8165, 16.1207,  
5.2251

304.4367,  
332.4770, 245.7163

 8.0740, 9.6096,  
2.3189

361.0334,

 4.1945, 5.1409,

393.4795, 297.4179

0.7418

424.2429,  
461.5215, 355.9062

■ 1.8128, 2.3302,  
0.0000

■ 0.5253, 0.7896,  
0.0000

■ 83.2621, 92.7658,  
54.5915

■ 83.2621, 92.7658,  
54.5915

■ 80.4744, 90.8560,  
42.3622

■ 86.5325, 94.8821,  
69.3220

■ 78.1362, 89.1295,  
32.4883

■ 90.3035, 97.2022,  
86.6772

■ 76.2204, 87.5788,  
24.8179

■ 94.6001, 99.7395,  
106.7791

■ 74.6943, 86.1907,  
19.1787

■ 95.0500, 100.0000,  
108.9000

■ 73.5203, 84.9504,  
15.3731

■ 72.6536, 83.8396,  
13.1642

■ 72.0717, 82.9235,  
12.2072

# Harmonies

## Analogous

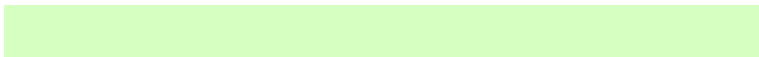
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.7626, 92.7658, 54.8333



83.2621, 92.7658, 54.5915



74.7710, 92.7658, 64.9318

# Triad

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



83.2621, 92.7658, 54.5915



74.4604, 92.7658, 147.1653



109.1359, 92.7658, 117.5187

# Complementary

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



83.2621, 92.7658, 54.5915



52.4781, 49.4965, 101.3956

# 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.



103.0835, 92.7658, 148.4468



83.2621, 92.7658, 54.5915



82.8065, 92.7658, 167.7493

# Square

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



83.2621, 92.7658, 54.5915



69.9704, 92.7658, 116.0227



93.2694, 92.7658, 168.2602

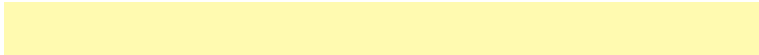


109.2824, 92.7658, 87.3447

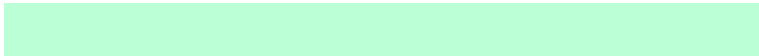


# Rectangle

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



83.2621, 92.7658, 54.5915



71.1550, 92.7658, 77.8923



93.2694, 92.7658, 168.2602



107.7043, 92.7658, 128.2923

# Sweetspot

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



83.2643, 92.7699, 54.5934



91.1115, 97.6869, 90.4345



65.1339, 55.6589, 51.1712



19.3741, 20.8326, 18.7633



0.0000, 0.0000, 0.0000

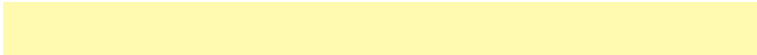


20.3446, 21.4041, 23.3091



# Same Dimension

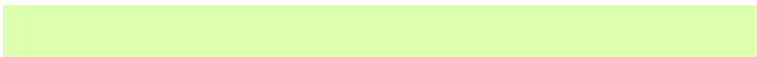
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2643, 92.7699, 54.5934



81.5290, 91.5945, 46.9391



73.3448, 89.9904, 54.5798



19.4571, 20.8824, 19.1495



37.7012, 43.4136, 6.3926



3.6994, 4.2841, 0.6319



# Inverse Universe

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



52.4781, 49.4965, 101.3956



46.4256, 42.2569, 100.3173



60.2210, 52.0077, 101.4722



17.0952, 17.5619, 22.7387



9.5641, 4.0377, 49.7099



0.9621, 0.4548, 4.8504



# Previews

## White Background



This preview shows how the XYZ color 83.2621, 92.7658, 54.5915 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

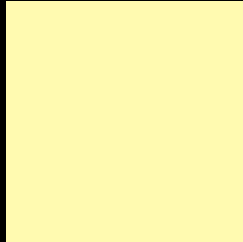
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.2621, 92.7658, 54.5915 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

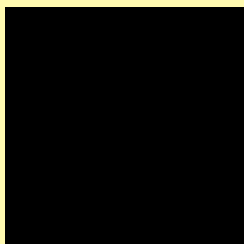
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 83.2621, 92.7658, 54.5915**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.2621, 92.7658, 54.5915.



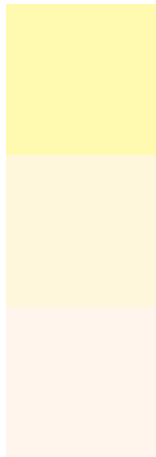
This preview shows how white text looks on a background with the XYZ color 83.2621, 92.7658,



# 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

83.2621, 92.7658, 54.5915

### Protanopia

87.4190, 92.9488, 81.0436

### Deuteranopia

89.1785, 92.6792, 93.3094



## Tritanopia

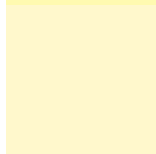
91.1614, 92.9896, 105.2395

# Trichromacy



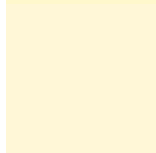
## Original Color

83.2621, 92.7658, 54.5915



## Protanomaly

85.7065, 92.7544, 70.5129



## Deuteranomaly

86.7665, 92.6878, 77.6074



## Tritanomaly

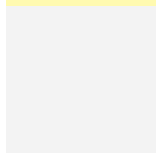
87.6503, 92.5534, 83.7659

# Monochromacy



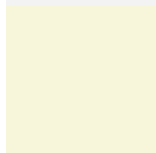
## Original Color

83.2621, 92.7658, 54.5915



## Achromatopsia

85.1904, 89.6269, 97.6037



## Achromatomaly

84.0997, 90.8002, 80.1115

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.2621, 92.7658, 54.5915 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(255, 250, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 176)  
}
```

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(255, 250, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 83.2621, 92.7658, 54.5915 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(255, 250, 176) }
```



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

```
.border{ border-color:rgb(255, 250, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 250, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.2621, 92.7658, 54.5915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 176) }
```

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

```
.background{ background-color: rgb(255,  
250, 176) }
```

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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