

# Converting Colors

XYZ(84.1282, 95.1222, 52.9561)

Have a look what the booklet for  
XYZ(84.1282, 95.1222, 52.9561)  
contains.

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# Color

**XYZ(84.1282, 95.1222,  
52.9561)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFEAC
RGB	255, 254, 172
RGB Percent	100%, 100%, 67%
CMY	0.0000, 0.0039, 0.3255
CMYK	0.00, 0.00, 0.33, 0.00
HSL	59°, 100%, 84%
HSV	59°, 33%, 100%
XYZ	84.1282, 95.1222, 52.9561
YIQ	244.9510, 26.9180, -25.2900

# Conversions

## Conversions Part 2

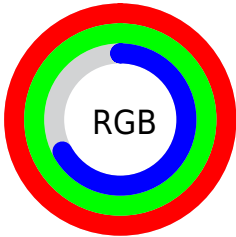
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 255, 172
Decimal	16776876
CIELab	98.08, -11.66, 39.41
CIELCh	98, 41.101, 106.488
Yxy	95.1222, 0.3623, 0.4096
Android (android.graphics.Color)	4294966956 (0xFFFFFEAC)
YUV	244.9510, -35.9648, 8.8130
Hunter-Lab	97.5306, -16.7076, 36.0788

# Details

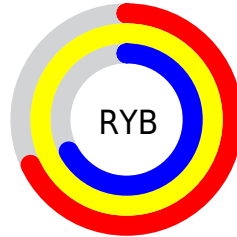
The XYZ color **84.1282, 95.1222, 52.9561** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **50.0066, 45.8765, 100.8272**, and the grayscale version is **87.0187, 91.5505, 99.6985**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **46.3220, 53.1347, 25.2674** is the 20% darker color. If you saturate the color by 10%, you get **81.8146, 94.0453, 41.2400**, and if you desaturate by 10%, it is **86.9166, 96.3960, 67.1510**.

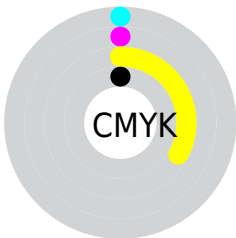
# Distribution



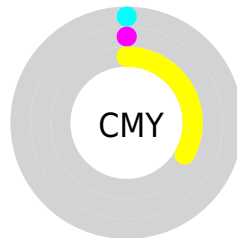
- Red (100%)
- Green (100%)
- Blue (67%)



- Red (68%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.1282, 95.1222, 52.9561 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 84.1282, 95.1222, 52.9561 by changing the saturation by 10% instead.




 84.1282, 95.1222,  
52.9561

 84.1282, 95.1222,  
52.9561


497.2661,  
544.5561, 415.1782

 63.4414, 72.2367,  
37.3802


 138.0748,  
154.4334, 95.9807

 46.4583, 53.3520,  
25.2039


172.0653,  
191.6279, 124.2664

 32.8138, 38.0839,  
16.0087


211.2211,  
234.3609, 157.6259

 22.1424, 26.0478,  
9.3759

255.9074,  
283.0166, 196.4777

 14.0788, 16.8594,  
4.8870

306.4897,  
337.9797, 241.2403

 8.2575, 10.1343,  
2.1235

363.3334,

 4.3134, 5.4881,

399.6343, 292.3322

0.6297

426.8037,  
468.3650, 350.1720

■ 1.8809, 2.5364,  
0.0000

■ 0.5657, 0.8948,  
0.0000

■ 84.1282, 95.1222,  
52.9561

■ 84.1282, 95.1222,  
52.9561

■ 81.8146, 94.0453,  
41.2400

■ 86.9166, 96.3960,  
67.1510

■ 79.9418, 93.1415,  
31.8547

■ 90.1976, 97.8637,  
83.9495

■ 78.4825, 92.4034,  
24.6458

■ 93.9966, 99.5389,  
103.4750

■ 77.4033, 91.8176,  
19.4378

95.0500, 100.0000,  
108.9000

■ 76.6657, 91.3687,  
16.0279

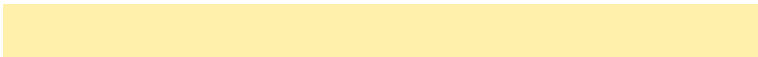
■ 76.2231, 91.0381,  
14.1709

■ 76.0341, 90.8481,  
13.5280

# Harmonies

## Analogous

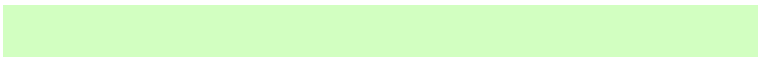
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.8120, 95.1222, 52.4002



84.1282, 95.1222, 52.9561



74.9461, 95.1222, 64.9921

# Triad

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



84.1282, 95.1222, 52.9561



75.6829, 95.1222, 158.1541



114.2937, 95.1222, 119.4952

# Complementary

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



84.1282, 95.1222, 52.9561



50.0066, 45.8765, 100.8272

# 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.



107.8687, 95.1222, 155.0144



84.1282, 95.1222, 52.9561



85.2165, 95.1222, 180.3960

# Square

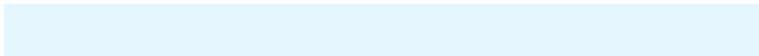
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.1282, 95.1222, 52.9561



70.3682, 95.1222, 123.1128



96.9986, 95.1222, 179.1360



113.9379, 95.1222, 86.2165

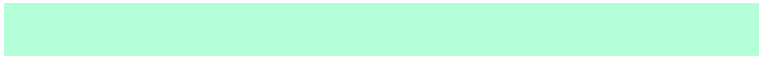


# Rectangle

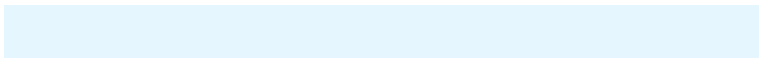
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.1282, 95.1222, 52.9561



71.1752, 95.1222, 79.7689



96.9986, 95.1222, 179.1360



112.8330, 95.1222, 131.6936

# Sweetspot

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



84.1306, 95.1265, 52.9581



91.1155, 98.2705, 88.6611



63.5732, 53.7981, 46.7646



19.3932, 20.9856, 18.4162



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

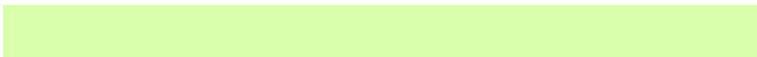
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.1306, 95.1265, 52.9581



82.5842, 94.4080, 45.1230



71.1971, 88.9283, 52.4434



19.5415, 21.0512, 19.1777



39.7380, 47.4872, 7.0715



3.8749, 4.6352, 0.6905



# Inverse Universe

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



50.0066, 45.8765, 100.8272



43.6865, 38.2693, 99.6919



59.9884, 50.7406, 101.2399



17.0205, 17.4126, 22.7138



9.4564, 3.8223, 49.6740

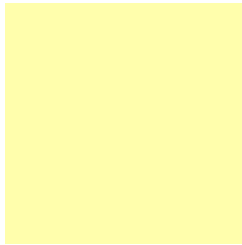


0.9266, 0.3839, 4.8385



# Previews

## White Background



This preview shows how the XYZ color 84.1282, 95.1222, 52.9561 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 84.1282, 95.1222, 52.9561 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

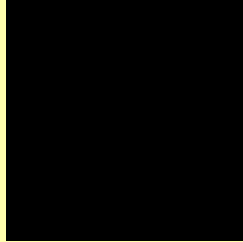
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 84.1282, 95.1222, 52.9561

## Background



This preview shows how black text looks on a background with the XYZ color 84.1282, 95.1222, 52.9561.



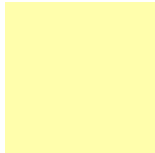
This preview shows how white text looks on a background with the XYZ color 84.1282, 95.1222,

52.9561.

# Color Blindness Simulation

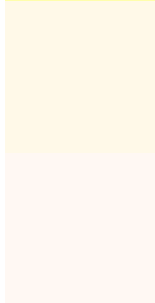
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

84.1282, 95.1222, 52.9561



### Protanopia

89.6812, 94.8376, 89.9227

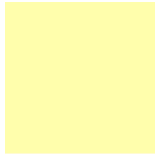
### Deuteranopia

90.9851, 94.8659, 98.3095

## **Tritanopia**

92.3902, 94.9373, 107.2212

# Trichromacy



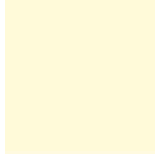
## Original Color

84.1282, 95.1222, 52.9561



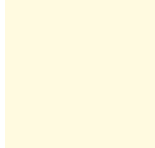
## Protanomaly

87.3700, 94.9075, 74.6869



## Deuteranomaly

87.9500, 94.6410, 79.2777



## Tritanomaly

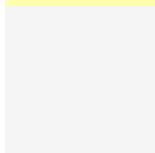
88.8802, 95.0130, 84.1759

# Monochromacy



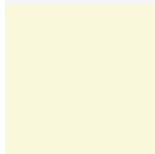
## Original Color

84.1282, 95.1222, 52.9561



## Achromatopsia

86.7900, 91.3099, 99.4364



## Achromatomaly

85.2892, 92.3365, 79.6572

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.1282, 95.1222, 52.9561 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, 254, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 172)  
}
```

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, 254, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 84.1282, 95.1222, 52.9561 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, 254, 172) }
```



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

```
.border{ border-color:rgb(255, 254, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 254, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.1282, 95.1222, 52.9561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 172) }
```

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

```
.background{ background-color: rgb(255,  
254, 172) }
```

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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