

# Converting Colors

XYZ(85.2121, 94.1138, 63.1092)

Have a look what the booklet for  
XYZ(85.2121, 94.1138, 63.1092)  
contains.

<b>XYZ(85.1412, 94.0159, 62.9497)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(85.1412, 94.0159,  
62.9497)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFBBF
RGB	255, 251, 191
RGB Percent	100%, 98%, 75%
CMY	0.0000, 0.0157, 0.2510
CMYK	0.00, 0.02, 0.25, 0.00
HSL	56°, 100%, 87%
HSV	56°, 25%, 100%
XYZ	85.1412, 94.0159, 62.9497
YIQ	245.3560, 21.6440, -17.8120

# Conversions

## Conversions Part 2

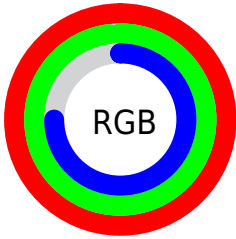
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 255, 191
Decimal	16776127
CIE <sub>Lab</sub>	97.64, -7.83, 29.32
CIE <sub>LCh</sub>	98, 30.344, 104.957
Yxy	94.0159, 0.3517, 0.3883
Android (android.graphics.Color)	4294966207 (0xFFFFFBBF)
YUV	245.3560, -26.7975, 8.4578
Hunter-Lab	96.9618, -12.9440, 29.3809

# Details

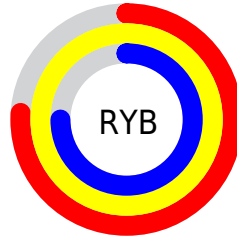
The XYZ color **85.1412, 94.0159, 62.9497** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **59.0506, 57.3251, 102.5603**, and the grayscale version is **87.2765, 91.8217, 99.9938**.

A 20% lighter version of the original color is **93.9433, 99.5573, 103.0721**, and **47.3192, 52.8421, 31.3725** is the 20% darker color. If you saturate the color by 10%, you get **82.0815, 92.0031, 49.2697**, and if you desaturate by 10%, it is **88.6981, 96.2406, 79.2081**.

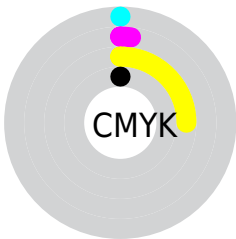
# Distribution



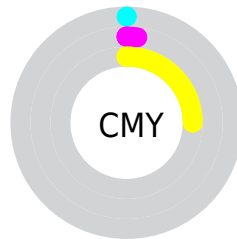
- Red (100%)
- Green (98%)
- Blue (75%)



- Red (76%)
- Yellow (100%)
- Blue (75%)



- Cyan (0%)
- Magenta (2%)
- Yellow (25%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.1412, 94.0159, 62.9497 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 85.1412, 94.0159, 62.9497 by changing the saturation by 10% instead.





 85.1412, 94.0159,  
62.9497

 85.1412, 94.0159,  
62.9497


500.5718,  
541.0097, 453.4898

 64.2809, 71.3162,  
45.3598


 139.4834,  
152.9043, 110.6818

 47.1408, 52.6003,  
31.3959


173.6961,  
189.8618, 141.6611

 33.3554, 37.4838,  
20.6395

213.0904,  
232.3407, 177.9406

 22.5594, 25.5823,  
12.6721

258.0315,  
280.7254, 219.9388

 14.3874, 16.5114,  
7.0751

308.8848,  
335.4002, 268.0743

 8.4741, 9.8867,  
3.4299

366.0157,

 4.4541, 5.3239,

396.7496, 322.7656

1.3181

429.7896,  
465.1580, 384.4313

■ 1.9621, 2.4386,  
0.0766

■ 0.6125, 0.8456,  
0.0000

■ 85.1412, 94.0159,  
62.9497

■ 85.1412, 94.0159,  
62.9497

■ 82.0815, 92.0031,  
49.2697

■ 88.6981, 96.2406,  
79.2081

■ 79.4870, 90.1800,  
38.0289

■ 92.7691, 98.6745,  
98.1628

■ 77.3324, 88.5394,  
29.0839

95.0500, 100.0000,  
108.9000

■ 75.5872, 87.0692,  
22.2739

■ 74.2168, 85.7555,  
17.4174

■ 73.1811, 84.5824,  
14.3029

■ 72.4305, 83.5298,  
12.6695

■ 72.1320, 83.0440,  
12.2273

# Harmonies

## Analogous

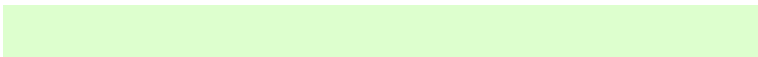
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.7392, 94.0159, 62.9630



85.1412, 94.0159, 62.9497



78.1312, 94.0159, 72.2650

# Triad

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



85.1412, 94.0159, 62.9497



78.1152, 94.0159, 139.7848



106.3759, 94.0159, 115.2142

# Complementary

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



85.1412, 94.0159, 62.9497



59.0506, 57.3251, 102.5603

# Split Complementary

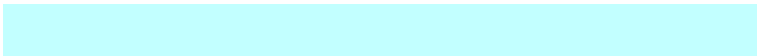
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.6146, 94.0159, 139.8466



85.1412, 94.0159, 62.9497



85.1180, 94.0159, 155.5112

# Square

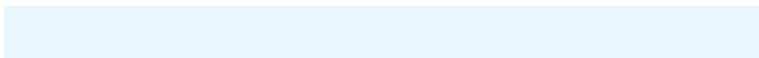
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.1412, 94.0159, 62.9497



74.2560, 94.0159, 115.1401



93.7144, 94.0159, 155.5354

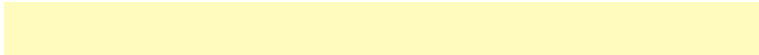


106.3831, 94.0159, 90.5759

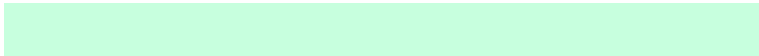


# Rectangle

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



85.1412, 94.0159, 62.9497



75.1421, 94.0159, 83.5258



93.7144, 94.0159, 155.5354



105.2654, 94.0159, 123.8485

# Sweetspot

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



85.1434, 94.0200, 62.9517



91.5329, 97.9455, 92.3757



69.7521, 62.4749, 60.1718



19.4584, 20.8851, 19.1500



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

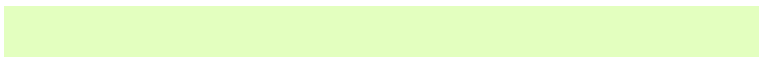
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1434, 94.0200, 62.9517



83.5821, 93.0063, 55.9299



76.9273, 91.6561, 62.9284



19.4584, 20.8851, 19.1500



37.7322, 43.4755, 6.4029



3.7021, 4.2895, 0.6328



# Inverse Universe

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



59.0506, 57.3251, 102.5603



53.5151, 50.7243, 101.5780



65.8149, 59.5015, 102.6239



17.0940, 17.5596, 22.7383



9.5622, 4.0340, 49.7092

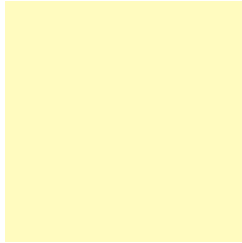


0.9615, 0.4537, 4.8502



# Previews

## White Background



This preview shows how the XYZ color 85.1412, 94.0159, 62.9497 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

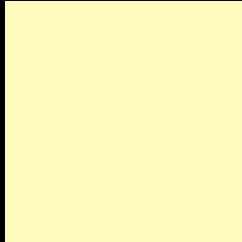
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.1412, 94.0159, 62.9497 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 85.1412, 94.0159, 62.9497

## Background



This preview shows how black text looks on a background with the XYZ color 85.1412, 94.0159, 62.9497.



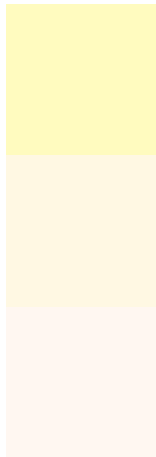
This preview shows how white text looks on a background with the XYZ color 85.1412, 94.0159,



# 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

85.1412, 94.0159, 62.9497

### Protanopia

88.6725, 93.9409, 86.1319

### Deuteranopia

90.3779, 94.1324, 96.6250



## Tritanopia

91.7818, 93.7206, 107.0184

# Trichromacy



## Original Color

85.1412, 94.0159, 62.9497

## Protanomaly

87.2533, 93.8664, 77.1376

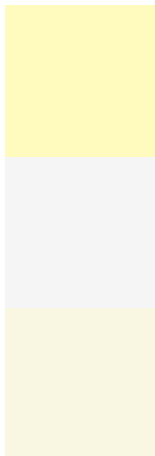
## Deuteranomaly

88.1267, 93.7225, 83.2575

## Tritanomaly

88.9246, 93.5511, 88.9716

# Monochromacy



## Original Color

85.1412, 94.0159, 62.9497

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

85.9183, 92.0975, 84.4824

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.1412, 94.0159, 62.9497 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, 251, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 191)  
}
```

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, 251, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 85.1412, 94.0159, 62.9497 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, 251, 191) }
```



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

```
.border{ border-color:rgb(255, 251, 191) }
```

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

Here you see how a box with a 4 pixel rgb(255, 251, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.1412, 94.0159, 62.9497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 191) }
```

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

```
.background{ background-color: rgb(255,  
251, 191) }
```

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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