

# Converting Colors

XYZ(84.3921, 95.3064, 72.2210)

Have a look what the booklet for  
XYZ(84.3921, 95.3064, 72.2210)  
contains.

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# Color

**XYZ(84.5568, 95.3887,  
72.3478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FFCE
RGB	245, 255, 206
RGB Percent	96%, 100%, 81%
CMY	0.0392, 0.0000, 0.1921
CMYK	0.04, 0.00, 0.19, 0.00
HSL	72°, 100%, 90%
HSV	72°, 19%, 100%
XYZ	84.5568, 95.3887, 72.3478
YIQ	246.4240, 9.7690, -17.3590

# Conversions

## Conversions Part 2

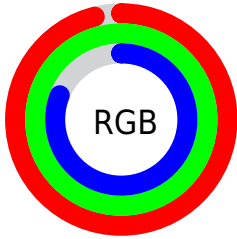
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	206, 255, 216
Decimal	16121806
CIE <sub>Lab</sub>	98.19, -11.31, 22.35
CIE <sub>LCh</sub>	98, 25.053, 116.836
Yxy	95.3887, 0.3352, 0.3781
Android (android.graphics.Color)	4294311886 (0xFFFF5FFCE)
YUV	246.4240, -19.9290, -1.2488
Hunter-Lab	97.6671, -16.3784, 24.4474

# Details

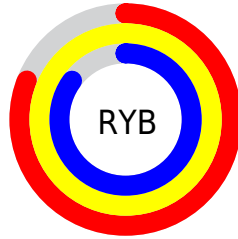
The XYZ color **84.5568, 95.3887, 72.3478** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.4411, 65.9628, 103.7326**, and the grayscale version is **88.0908, 92.6784, 100.9267**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.6006, 53.3465, 37.5466** is the 20% darker color. If you saturate the color by 10%, you get **79.9158, 93.3256, 57.2504**, and if you desaturate by 10%, it is **89.7526, 97.6798, 90.0973**.

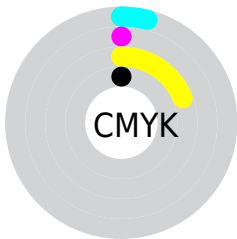
# Distribution



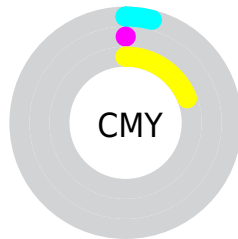
- Red (96%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (85%)



- Cyan (4%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.5568, 95.3887, 72.3478 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 84.5568, 95.3887, 72.3478 by changing the saturation by 10% instead.




 84.5568, 95.3887,  
72.3478

 84.5568, 95.3887,  
72.3478


498.6662,  
545.4086, 487.7613

 63.7965, 72.4585,  
52.9543


138.6710,  
154.8015, 124.2632

 46.7469, 53.5333,  
37.3788


172.7557,  
192.0529, 157.6221

 33.0428, 38.2287,  
25.2028


212.0124,  
234.8469, 196.4733

 22.3186, 26.1602,  
16.0078

256.8067,  
283.5678, 241.2352

 14.2091, 16.9436,  
9.3753

307.5039,  
338.6000, 292.3265

 8.3489, 10.1943,  
4.8866

364.4693,

 4.3727, 5.5279,

400.3280, 350.1655

2.1233

428.0683,  
469.1360, 415.1709

■ 1.9151, 2.5602,  
0.6296

■ 0.5856, 0.9067,  
0.0000

■ 84.5568, 95.3887,  
72.3478

■ 84.5568, 95.3887,  
72.3478

■ 79.9158, 93.3256,  
57.2504

■ 89.7526, 97.6798,  
90.0973

■ 75.8034, 91.4796,  
44.6734

95.0500, 100.0000,  
108.9000

■ 72.1934, 89.8405,  
34.4803

■ 69.0568, 88.3965,  
26.5198

■ 66.3611, 87.1345,  
20.6235

■ 64.0694, 86.0398,  
16.5990

■ 62.1378, 85.0947,  
14.2176

■ 60.5005, 84.2729,  
13.1351

■ 60.3782, 84.2111,  
13.0721

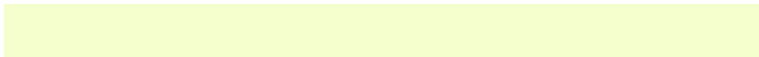
# Harmonies

## Analogous

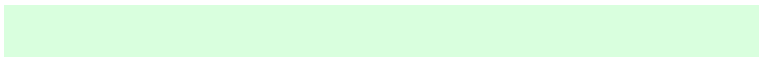
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.4305, 95.3887, 69.0901



84.5568, 95.3887, 72.3478



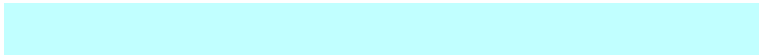
79.5617, 95.3887, 83.6469

# Triad

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



84.5568, 95.3887, 72.3478



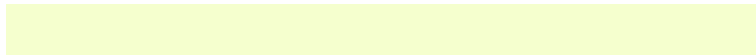
83.2995, 95.3887, 140.7138



105.2019, 95.3887, 106.0662

# Complementary

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



84.5568, 95.3887, 72.3478



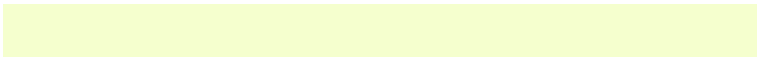
68.4411, 65.9628, 103.7326

# Split Complementary

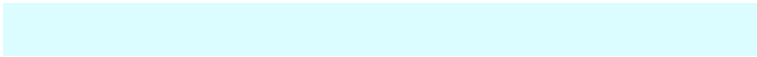
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.7541, 95.3887, 127.0970



84.5568, 95.3887, 72.3478



89.9020, 95.3887, 148.6941

# Square

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



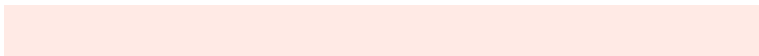
84.5568, 95.3887, 72.3478



78.8632, 95.3887, 122.8089



97.0586, 95.3887, 143.4108

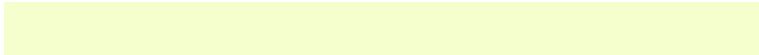


103.5871, 95.3887, 86.9716

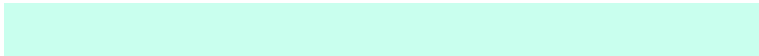


# Rectangle

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



84.5568, 95.3887, 72.3478



77.8406, 95.3887, 95.0912



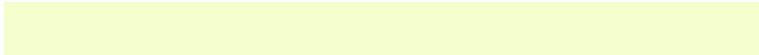
97.0586, 95.3887, 143.4108



104.8239, 95.3887, 113.1564

# Sweetspot

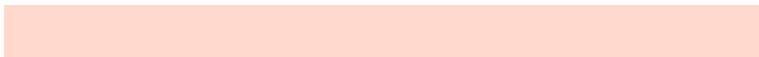
The Sweet Spot groups the original color and five complimentary colors.



84.5574, 95.3890, 72.3492



91.5442, 98.4661, 96.3856



76.8860, 74.7266, 68.7653



19.5153, 21.0412, 20.3520



0.0000, 0.0000, 0.0000

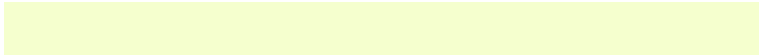


20.3446, 21.4041, 23.3091

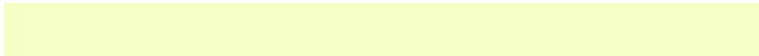


# Same Dimension

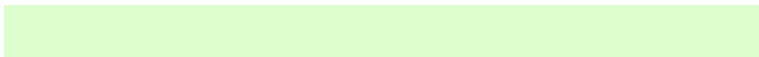
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5574, 95.3890, 72.3492



82.7366, 94.5817, 66.3291



76.6288, 91.3017, 71.9781



19.1768, 20.8926, 19.1663



31.6757, 44.0675, 6.8364



3.1715, 4.3357, 0.6697



# Inverse Universe

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



68.4411, 65.9628, 103.7326



63.9711, 60.3141, 102.8779



76.1592, 69.9416, 104.0938



17.3492, 17.5562, 22.7242



10.2693, 4.2045, 49.7049

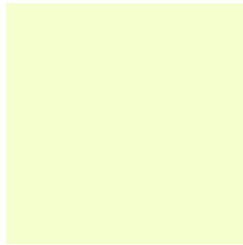


1.0844, 0.4530, 4.8435



# Previews

## White Background



This preview shows how the XYZ color 84.5568, 95.3887, 72.3478 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

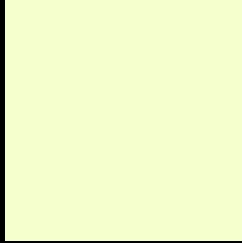
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.5568, 95.3887, 72.3478 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

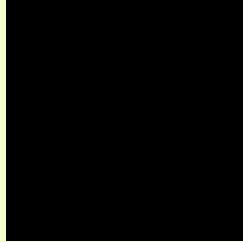
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 84.5568, 95.3887, 72.3478**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.5568, 95.3887, 72.3478.



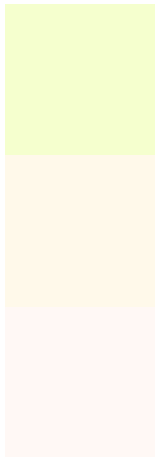
This preview shows how white text looks on a background with the XYZ color 84.5568, 95.3887,

72.3478.

# 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

84.5568, 95.3887, 72.3478

### Protanopia

89.9670, 94.9519, 91.4277

### Deuteranopia

91.2888, 94.9874, 99.9092

## **Tritanopia**

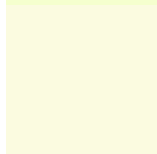
91.7093, 95.4806, 108.2037

# Trichromacy



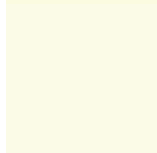
## Original Color

84.5568, 95.3887, 72.3478



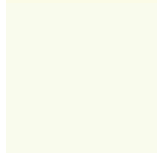
## Protanomaly

87.7354, 94.8854, 84.2116



## Deuteranomaly

88.7046, 95.2731, 89.3156



## Tritanomaly

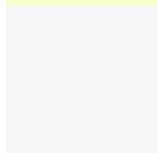
88.8502, 95.2485, 93.8227

# Monochromacy



## Original Color

84.5568, 95.3887, 72.3478



## Achromatopsia

87.5964, 92.1582, 100.3603



## Achromatomaly

86.3055, 93.1137, 89.0253

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.5568, 95.3887, 72.3478 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(245, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 206)  
}
```

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(245, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 84.5568, 95.3887, 72.3478 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(245, 255, 206) }
```



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

```
.border{ border-color:rgb(245, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.5568, 95.3887, 72.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 255, 206) }
```

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

```
.background{ background-color: rgb(245,  
255, 206) }
```

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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