

# Converting Colors

XYZ(86.7953, 95.6191, 72.2497)

Have a look what the booklet for  
XYZ(86.7953, 95.6191, 72.2497)  
contains.

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# Color

**XYZ(86.7739, 95.5894,  
72.2697)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDFDCE
RGB	253, 253, 206
RGB Percent	99%, 99%, 81%
CMY	0.0078, 0.0078, 0.1921
CMYK	0.00, 0.00, 0.19, 0.01
HSL	60°, 92%, 90%
HSV	60°, 19%, 99%
XYZ	86.7739, 95.5894, 72.2697
YIQ	247.6420, 15.0870, -14.6170

# Conversions

## Conversions Part 2

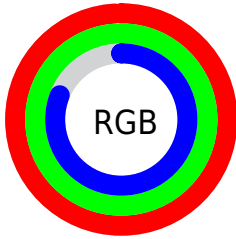
Format	Color
R <sub>Y</sub> B	206, 253, 206
Decimal	16645582
CIE Lab	98.27, -7.49, 22.56
CIE LCh	98, 23.766, 108.365
Yxy	95.5894, 0.3408, 0.3754
Android (android.graphics.Color)	4294835662 (0xFFFDCE)
YUV	247.6420, -20.5295, 4.6990
Hunter-Lab	97.7698, -12.6727, 24.6128

# Details

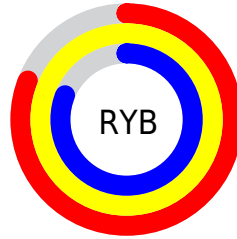
The XYZ color **86.7739, 95.5894, 72.2697** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.2582, 64.3588, 101.9167**, and the grayscale version is **89.0866, 93.7261, 102.0677**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.1724, 53.4826, 37.4900** is the 20% darker color. If you saturate the color by 10%, you get **83.9444, 94.4607, 57.3641**, and if you desaturate by 10%, it is **90.1032, 96.9245, 89.7851**.

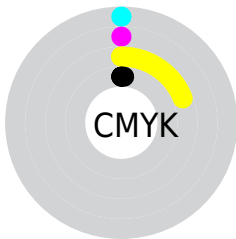
# Distribution



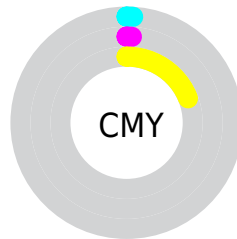
- Red (99%)
- Green (99%)
- Blue (81%)



- Red (81%)
- Yellow (99%)
- Blue (81%)



- Cyan (0%)
- Magenta (0%)
- Yellow (19%)
- Black (1%)




- Cyan (1%)
- Magenta (1%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.7739, 95.5894, 72.2697 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 86.7739, 95.5894, 72.2697 by changing the saturation by 10% instead.




 86.7739, 95.5894,  
72.2697

 86.7739, 95.5894,  
72.2697


505.8753,  
546.0502, 487.4825

 65.6355, 72.6256,  
52.8908


141.7502,  
155.0786, 124.1512

 48.2432, 53.6699,  
37.3285


176.3189,  
192.3729, 157.4909

 34.2316, 38.3378,  
25.1642


216.0950,  
235.2127, 196.3213

 23.2353, 26.2450,  
15.9793

261.4440,  
283.9826, 241.0609

 14.8890, 17.0070,  
9.3553

312.7312,  
339.0669, 292.1283

 8.8273, 10.2395,  
4.8737

370.3219,

 4.6849, 5.5580,

400.8500, 349.9420

2.1159

434.5815,  
469.7163, 414.9206

■ 2.0965, 2.5783,  
0.6252

■ 0.6873, 0.9157,  
0.0000

■ 86.7739, 95.5894,  
72.2697

■ 86.7739, 95.5894,  
72.2697

■ 83.9444, 94.4607,  
57.3641

■ 90.1032, 96.9245,  
89.7851

■ 81.5836, 93.5163,  
44.9377

■ 93.6877, 98.3584,  
108.6549

■ 79.6684, 92.7501,  
34.8580

■ 93.6887, 98.3589,  
108.6550

■ 78.1709, 92.1509,  
26.9776

■ 93.6898, 98.3595,  
108.6550

77.0598, 91.7064,  
21.1324

93.6908, 98.3600,  
108.6551

76.2998, 91.4022,  
17.1355

93.6919, 98.3606,  
108.6551

75.8487, 91.2217,  
14.7657

93.6930, 98.3611,  
108.6552

75.6468, 91.1408,  
13.7082

93.6940, 98.3617,  
108.6552

75.6270, 91.1329,  
13.6044

93.6951, 98.3622,  
108.6553

# Harmonies

## Analogous

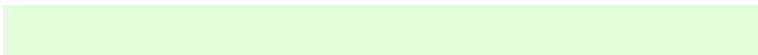
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.5332, 95.5894, 71.3761



86.7739, 95.5894, 72.2697



81.3756, 95.5894, 81.0081

# Triad

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



86.7739, 95.5894, 72.2697



82.3941, 95.5894, 134.8457



104.3547, 95.5894, 111.8634

# Complementary

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



86.7739, 95.5894, 72.2697



65.2582, 64.3588, 101.9167

# 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.



101.0430, 95.5894, 131.1643



86.7739, 95.5894, 72.2697



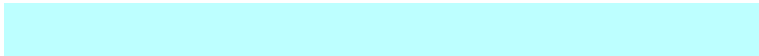
88.2281, 95.5894, 145.5026

# Square

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



86.7739, 95.5894, 72.2697



78.9358, 95.5894, 116.4044



95.0618, 95.5894, 144.0766



103.9171, 95.5894, 92.6589

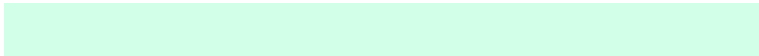


# Rectangle

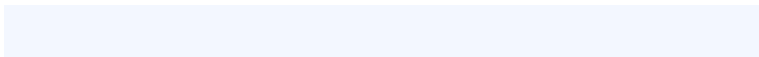
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.7739, 95.5894, 72.2697



79.1698, 95.5894, 90.8019



95.0618, 95.5894, 144.0766



103.6366, 95.5894, 118.5946

# Sweetspot

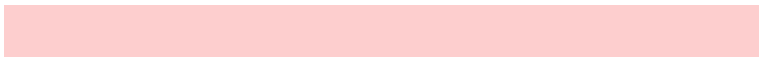
The Sweet Spot groups the original color and five complimentary colors.



86.7764, 95.5936, 72.2717



92.6830, 99.0531, 96.4389



73.7230, 69.4838, 67.9200



19.7853, 21.1804, 20.3647



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

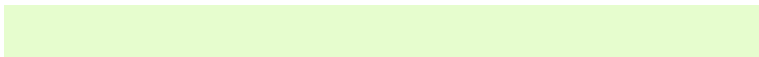
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7764, 95.5936, 72.2717



87.2948, 96.8977, 68.0742



78.7423, 91.4519, 71.8957



19.5611, 21.0907, 19.1843



40.2286, 48.4767, 7.2367



3.9170, 4.7200, 0.7046



# Inverse Universe

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



65.2582, 64.3588, 101.9167



61.9788, 60.1502, 102.9512



72.2767, 67.9770, 102.2452



17.0033, 17.3779, 22.7081



9.4318, 3.7727, 49.6657

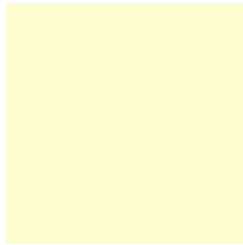


0.9184, 0.3674, 4.8358



# Previews

## White Background



This preview shows how the XYZ color 86.7739, 95.5894, 72.2697 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

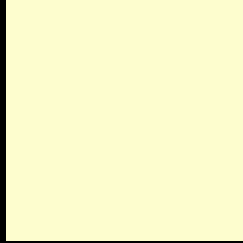
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.7739, 95.5894, 72.2697 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

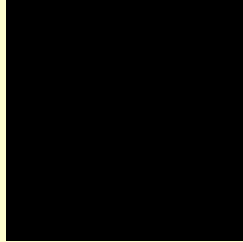
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 86.7739, 95.5894, 72.2697**

## **Background**



This preview shows how black text looks on a background with the XYZ color 86.7739, 95.5894, 72.2697.



This preview shows how white text looks on a background with the XYZ color 86.7739, 95.5894,

72.2697.

# Color Blindness Simulation

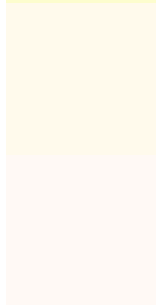
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

86.7739, 95.5894, 72.2697



### Protanopia

90.5659, 95.6873, 93.0530

### Deuteranopia

91.5971, 95.6039, 100.0119

## Tritanopia

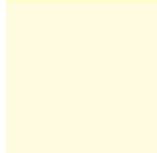
92.4905, 95.4256, 108.1520

# Trichromacy



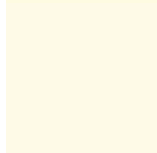
## Original Color

86.7739, 95.5894, 72.2697



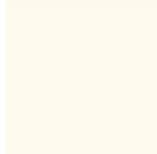
## Protanomaly

88.9608, 95.5014, 84.9790



## Deuteranomaly

89.4825, 95.2116, 89.2627



## Tritanomaly

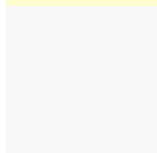
90.3447, 95.5565, 93.8033

# Monochromacy



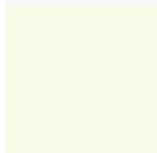
## Original Color

86.7739, 95.5894, 72.2697



## Achromatopsia

89.2221, 93.8686, 102.2229



## Achromatomaly

88.3179, 94.5784, 90.6914

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.7739, 95.5894, 72.2697 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(253, 253, 206)` looks like.

```
.text, #text, p{  
    color:rgb(253, 253, 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(253, 253, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 253, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 86.7739, 95.5894, 72.2697 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(253, 253, 206) }
```



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

```
.border{ border-color:rgb(253, 253, 206) }
```

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

Here you see how a box with a 4 pixel rgb(253, 253, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 253, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 253, 206);  
box-shadow:4px 4px 4px 4px rgb(253, 253,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.7739, 95.5894, 72.2697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 253, 206) }
```

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

```
.background{ background-color: rgb(253,  
253, 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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