

# Converting Colors

XYZ(77.3095, 89.5786, 59.6701)

Have a look what the booklet for  
XYZ(77.3095, 89.5786, 59.6701)  
contains.

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# Color

**XYZ(77.3095, 89.5786,  
59.6701)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBFABA
RGB	235, 250, 186
RGB Percent	92%, 98%, 73%
CMY	0.0784, 0.0196, 0.2706
CMYK	0.06, 0.00, 0.26, 0.02
HSL	74°, 87%, 85%
HSV	74°, 26%, 98%
XYZ	77.3095, 89.5786, 59.6701
YIQ	238.2190, 11.6040, -23.0840

# Conversions

## Conversions Part 2

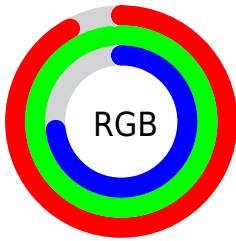
Format	Color
<b>RYB</b>	186, 250, 201
Decimal	15465146
CIELab	95.82, -15.26, 29.13
CIELCh	96, 32.883, 117.645
Yxy	89.5786, 0.3412, 0.3954
Android (android.graphics.Color)	4293655226 (0xFFEBFABA)
YUV	238.2190, -25.7440, -2.8231
Hunter-Lab	94.6460, -19.8266, 28.8725

# Details

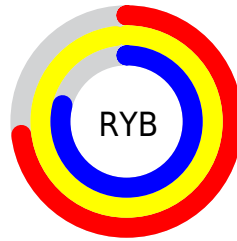
The XYZ color **77.3095, 89.5786, 59.6701** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **58.9052, 54.4399, 97.8508**, and the grayscale version is **81.6266, 85.8776, 93.5207**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **42.0471, 49.8332, 29.2325** is the 20% darker color. If you saturate the color by 10%, you get **72.9782, 87.6292, 46.7867**, and if you desaturate by 10%, it is **82.1742, 91.7548, 75.0093**.

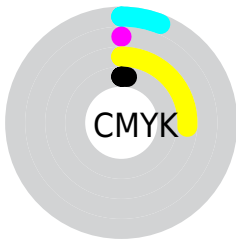
# Distribution



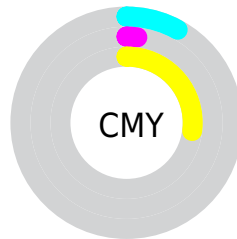
- Red (92%)
- Green (98%)
- Blue (73%)



- Red (73%)
- Yellow (98%)
- Blue (79%)



- Cyan (6%)
- Magenta (0%)
- Yellow (26%)
- Black (2%)



- Cyan (8%)
- Magenta (2%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3095, 89.5786, 59.6701 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 77.3095, 89.5786, 59.6701 by changing the saturation by 10% instead.



77.3095, 89.5786,  
59.6701

77.3095, 89.5786,  
59.6701

474.6944,  
526.6591, 441.1515

57.8077, 67.6312,  
42.7292

128.5468,  
146.7529, 105.8896

41.8968, 49.5978,  
29.3429

161.0131,  
182.7486, 136.0054

29.2112, 35.0939,  
19.0926

198.5315,  
224.1958, 171.3498

19.3857, 23.7352,  
11.5597

241.4675,  
271.4790, 212.3415

12.0550, 15.1373,  
6.3257

290.1865,  
324.9826, 259.3990

6.8536, 8.9158,  
2.9722

345.0537,

3.4162, 4.6863,

385.0908, 312.9408

1.0804

406.4346,  
452.1882, 373.3855

■ 1.3775, 2.0644,  
0.0000

■ 0.2401, 0.6445,  
0.0000

■ 77.3095, 89.5786,  
59.6701

■ 77.3095, 89.5786,  
59.6701

■ 72.9782, 87.6292,  
46.7867

■ 82.1742, 91.7548,  
75.0093

■ 69.1486, 85.8848,  
36.2258

■ 87.5886, 94.1552,  
92.9169

■ 65.7960, 84.3384,  
27.8502

■ 92.5944, 96.3998,  
108.3345

■ 62.8905, 82.9779,  
21.5057

■ 93.4775, 96.8550,  
108.3758

■ 60.3985, 81.7900,  
17.0185

■ 58.2806, 80.7587,  
14.1852

■ 56.4886, 79.8647,  
12.7547

■ 55.7723, 79.5024,  
12.4060

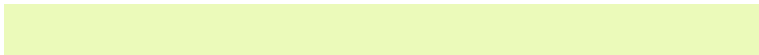
# Harmonies

## Analogous

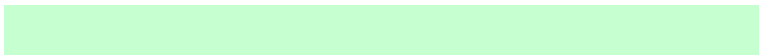
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8597, 89.5786, 55.6866



77.3095, 89.5786, 59.6701



71.2534, 89.5786, 73.1918

# Triad

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



77.3095, 89.5786, 59.6701



76.1526, 89.5786, 146.0600



103.7666, 89.5786, 99.6006

# Complementary

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



77.3095, 89.5786, 59.6701



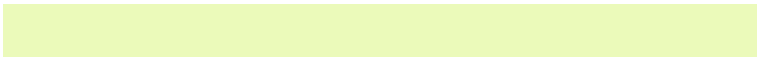
58.9052, 54.4399, 97.8508

# Split Complementary

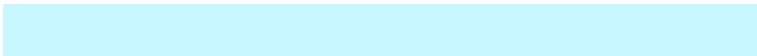
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.7269, 89.5786, 126.7554



77.3095, 89.5786, 59.6701



84.4278, 89.5786, 156.3800

# Square

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



77.3095, 89.5786, 59.6701



70.6195, 89.5786, 122.5731



93.4859, 89.5786, 148.7602



101.5298, 89.5786, 76.1637

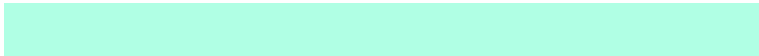


# Rectangle

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



77.3095, 89.5786, 59.6701



69.2287, 89.5786, 87.2428



93.4859, 89.5786, 148.7602



103.3236, 89.5786, 108.6083

# Sweetspot

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



77.3118, 89.5826, 59.6720



90.1999, 97.8592, 92.4293



69.1615, 65.6141, 55.4752



19.1204, 20.8635, 19.1636



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

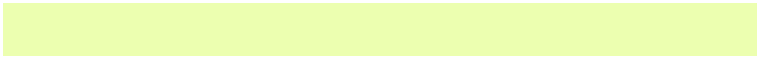


# Same Dimension

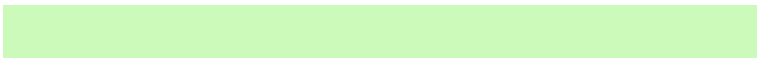
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3118, 89.5826, 59.6720



78.3388, 92.5655, 54.7864



67.6983, 84.6266, 59.2221



18.3063, 19.9737, 18.3529



29.7152, 42.2370, 6.5864



2.8449, 3.9597, 0.6144



# Inverse Universe

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



58.9052, 54.4399, 97.8508



55.9379, 49.7844, 101.2689



68.3998, 59.3345, 98.2952



16.6639, 16.8394, 21.7573



10.2018, 4.2019, 48.2469

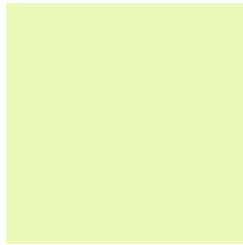


1.0343, 0.4353, 4.4727



# Previews

## White Background



This preview shows how the XYZ color 77.3095, 89.5786, 59.6701 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

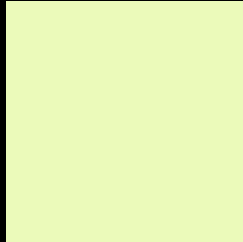
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.3095, 89.5786, 59.6701 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

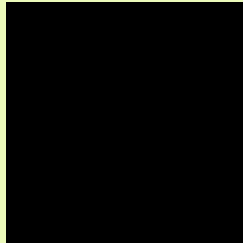
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

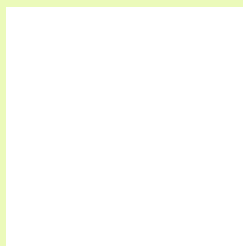
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 77.3095, 89.5786, 59.6701

## Background



This preview shows how black text looks on a background with the XYZ color 77.3095, 89.5786, 59.6701.



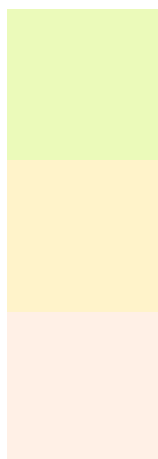
This preview shows how white text looks on a background with the XYZ color 77.3095, 89.5786,



# 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

77.3095, 89.5786, 59.6701

### Protanopia

83.9513, 89.6255, 68.7519

### Deuteranopia

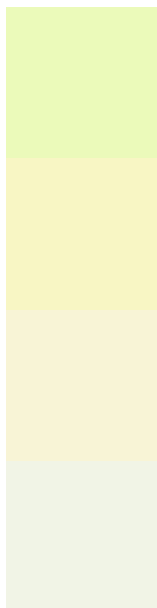
86.6830, 89.2933, 87.5296



## Tritanopia

86.8135, 89.3637, 107.2811

# Trichromacy



## Original Color

77.3095, 89.5786, 59.6701

## Protanomaly

81.6310, 89.8535, 65.2656

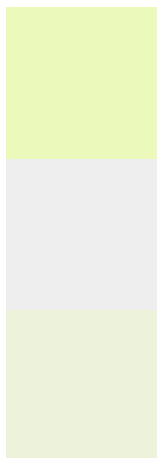
## Deuteranomaly

83.1997, 89.5129, 76.5109

## Tritanomaly

82.9092, 89.1153, 87.6941

# Monochromacy



## Original Color

77.3095, 89.5786, 59.6701

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

79.4634, 86.6233, 79.5496

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.3095, 89.5786, 59.6701 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(235, 250, 186)` looks like.

```
.text, #text, p{  
    color:rgb(235, 250, 186)  
}
```

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(235, 250, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 250, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 77.3095, 89.5786, 59.6701 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(235, 250, 186) }
```



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

```
.border{ border-color:rgb(235, 250, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 250, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 250, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 250, 186);  
box-shadow:4px 4px 4px 4px rgb(235, 250,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.3095, 89.5786, 59.6701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 250, 186) }
```

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

```
.background{ background-color: rgb(235,  
250, 186) }
```

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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