

Converting Colors

XYZ(89.8077, 100.0000,
78.0676)

Have a look what the booklet for
XYZ(89.8077, 100.0000, 78.0676)
contains.

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Color

**XYZ(88.4056, 97.2577,
77.7315)**

Conversions

Conversions Part 1

Format	Color
Hex	FDFFD6
RGB	253, 255, 214
RGB Percent	99%, 100%, 84%
CMY	0.0078, 0.0000, 0.1608
CMYK	0.01, 0.00, 0.16, 0.00
HSL	63°, 100%, 92%
HSV	63°, 16%, 100%
XYZ	88.4056, 97.2577, 77.7315
YIQ	249.7280, 11.9690, -13.1750

Conversions

Conversions Part 2

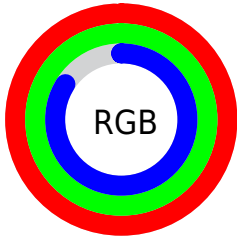
Format	Color
R _Y B	214, 255, 216
Decimal	16646102
CIE Lab	98.93, -7.32, 19.41
CIE LCh	99, 20.739, 110.654
Yxy	97.2577, 0.3356, 0.3692
Android (android.graphics.Color)	4294836182 (0xFFFDFFD6)
YUV	249.7280, -17.6139, 2.8695
Hunter-Lab	98.6193, -12.5705, 22.3013

Details

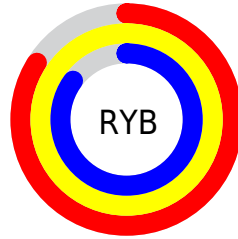
The XYZ color **88.4056, 97.2577, 77.7315** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.4164, 69.9133, 104.3910**, and the grayscale version is **90.7748, 95.5022, 104.0019**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.2170, 54.6271, 40.7510** is the 20% darker color. If you saturate the color by 10%, you get **84.9484, 95.8227, 61.8796**, and if you desaturate by 10%, it is **92.3768, 98.8987, 96.2714**.

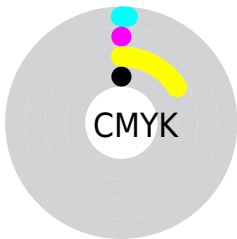
Distribution



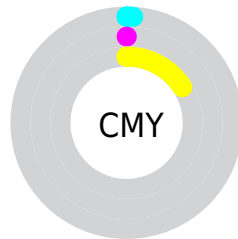
- Red (99%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (85%)



- Cyan (1%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (1%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 88.4056, 97.2577, 77.7315 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 88.4056, 97.2577, 77.7315 by changing the saturation by 10% instead.


 88.4056, 97.2577,
77.7315

 88.4056, 97.2577,
77.7315


511.1461,
551.3678, 506.7582

 66.9909, 74.0155,
57.3383


144.0113,
157.3800, 131.9540

 49.3479, 54.8067,
40.8657


178.9331,
195.0290, 166.6203

 35.1112, 39.2470,
27.8953


219.0880,
238.2489, 206.8815

 23.9155, 26.9519,
18.0084

264.8413,
287.4243, 253.1560

 15.3953, 17.5371,
10.7865

316.5584,
342.9394, 305.8624

 9.1854, 10.6182,
5.8111

374.6047,

 4.9204, 5.8107,

405.1788, 365.4192

2.6636

439.3455,
474.5268, 432.2450

■ 2.2349, 2.7303,
0.9250

■ 0.7610, 0.9926,
0.0000

■ 88.4056, 97.2577,
77.7315

■ 88.4056, 97.2577,
77.7315

■ 84.9484, 95.8227,
61.8796

■ 92.3768, 98.8987,
96.2714

■ 81.9798, 94.5835,
48.5870

95.0500, 100.0000,
108.9000

■ 79.4748, 93.5300,
37.7205

■ 77.4056, 92.6513,
29.1336

■ 75.7414, 91.9348,
22.6637

■ 74.4472, 91.3667,
18.1269

■ 73.4820, 90.9305,
15.3079

■ 72.7952, 90.6060,
13.9392

■ 72.5722, 90.4974,
13.6428

Harmonies

Analogous

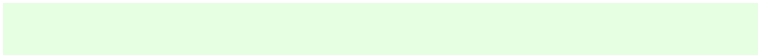
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.3388, 97.2577, 76.3599



88.4056, 97.2577, 77.7315



83.7497, 97.2577, 86.1842

Triad

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



88.4056, 97.2577, 77.7315



85.2734, 97.2577, 133.7479



104.3762, 97.2577, 111.3892

Complementary

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



88.4056, 97.2577, 77.7315



70.4164, 69.9133, 104.3910

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.



101.7127, 97.2577, 128.4077



88.4056, 97.2577, 77.7315



90.5679, 97.2577, 142.2109

Square

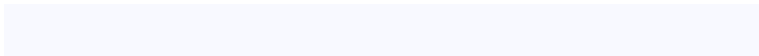
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



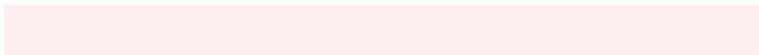
88.4056, 97.2577, 77.7315



81.9967, 97.2577, 118.0634



96.5964, 97.2577, 140.1569



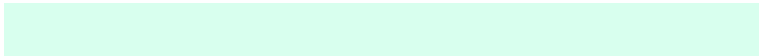
103.7355, 97.2577, 94.5967

Rectangle

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



88.4056, 97.2577, 77.7315



81.9131, 97.2577, 95.2596



96.5964, 97.2577, 140.1569



103.8334, 97.2577, 117.2984

Sweetspot

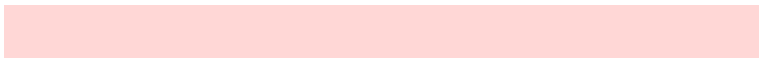
The Sweet Spot groups the original color and five complimentary colors.



88.4062, 97.2579, 77.7329



92.8362, 99.0881, 98.4343



77.7723, 74.9040, 73.9786



19.8065, 21.1824, 20.7663



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

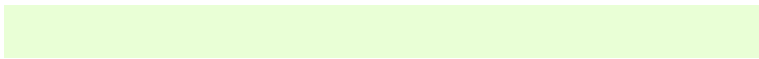
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.4062, 97.2579, 77.7329



87.3436, 96.8177, 72.8276



81.5461, 93.7214, 77.4119



19.4685, 21.0430, 19.1799



37.9588, 47.3065, 7.1304



3.7218, 4.6194, 0.6955

Inverse Universe

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



70.4164, 69.9133, 104.3910



66.5237, 65.1705, 103.6807



76.6452, 73.1244, 104.6825



17.0849, 17.4200, 22.7119



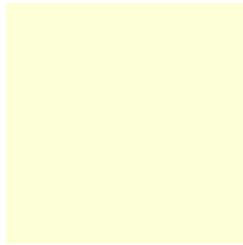
9.5483, 3.8328, 49.6711



0.9572, 0.3874, 4.8376

Previews

White Background



This preview shows how the XYZ color 88.4056, 97.2577, 77.7315 looks on a white background.

Color Contrast Check

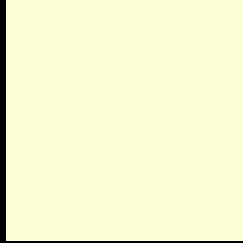
Large Text (above 18pt) WCAG AA × Fail

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 88.4056, 97.2577, 77.7315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

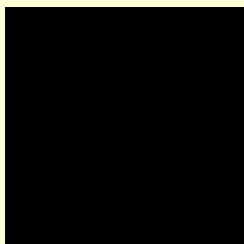
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

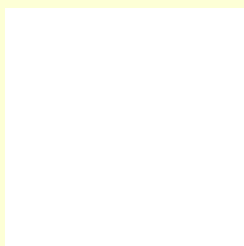
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 88.4056, 97.2577, 77.7315

Background



This preview shows how black text looks on a background with the XYZ color 88.4056, 97.2577, 77.7315.

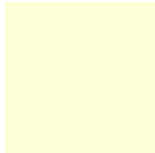


This preview shows how white text looks on a background with the XYZ color 88.4056, 97.2577,

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

88.4056, 97.2577, 77.7315

Protanopia

92.3795, 97.4125, 99.5215

Deuteranopia

92.8361, 97.0939, 103.4705

Tritanopia

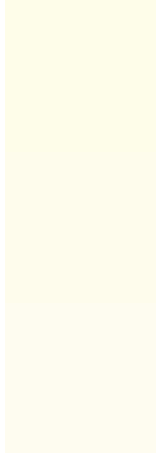
93.4202, 97.2852, 108.4619

Trichromacy



Original Color

88.4056, 97.2577, 77.7315



Protanomaly

90.7063, 97.2046, 91.0724

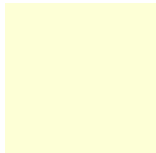
Deuteranomaly

90.8238, 96.7478, 93.2441

Tritanomaly

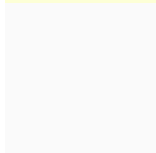
91.4116, 96.9829, 96.3397

Monochromacy



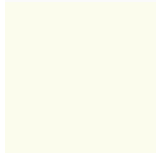
Original Color

88.4056, 97.2577, 77.7315



Achromatopsia

90.8653, 95.5973, 104.1055



Achromatomaly

89.8801, 96.2445, 93.9606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 88.4056, 97.2577, 77.7315 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, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(253, 255, 214)  
}
```

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, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 255, 214) }
```

Border

The CSS property to change the border of an element to XYZ 88.4056, 97.2577, 77.7315 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, 255, 214) }
```


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

```
.border{ border-color:rgb(253, 255, 214) }
```

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

Here you see how a box with a 4 pixel rgb(253, 255, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(253, 255,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 88.4056, 97.2577, 77.7315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 255, 214) }
```

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

```
.background{ background-color: rgb(253,  
255, 214) }
```

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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