

Converting Colors

XYZ(157.4082, 239.2851,
101.3284)

Have a look what the booklet for
XYZ(157.4082, 239.2851, 101.3284)
contains.

XYZ(85.9036, 95.9679, 77.6144)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(85.9036, 95.9679,
77.6144)**

Conversions

Conversions Part 1

Format	Color
Hex	F6FFD6
RGB	246, 255, 214
RGB Percent	96%, 100%, 84%
CMY	0.0353, 0.0000, 0.1608
CMYK	0.04, 0.00, 0.16, 0.00
HSL	73°, 100%, 92%
HSV	73°, 16%, 100%
XYZ	85.9036, 95.9679, 77.6144
YIQ	247.6350, 7.7970, -14.6590

Conversions

Conversions Part 2

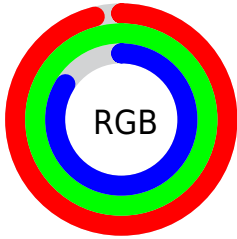
Format	Color
R_{YB}	214, 255, 223
Decimal	16187350
CIE _{Lab}	98.42, -9.76, 18.62
CIE _{LCh}	98, 21.022, 117.677
Yxy	95.9679, 0.3311, 0.3698
Android (android.graphics.Color)	4294377430 (0xFFFF6FFD6)
YUV	247.6350, -16.5821, -1.4339
Hunter-Lab	97.9632, -14.9096, 21.5999

Details

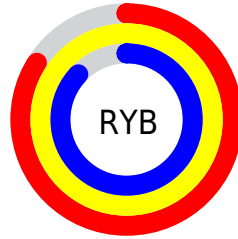
The XYZ color **85.9036, 95.9679, 77.6144** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.5289, 71.0024, 104.4899**, and the grayscale version is **89.0509, 93.6885, 102.0268**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6873, 53.8385, 40.6794** is the 20% darker color. If you saturate the color by 10%, you get **80.9636, 93.7685, 61.6931**, and if you desaturate by 10%, it is **91.4138, 98.4022, 96.2263**.

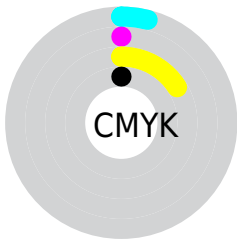
Distribution



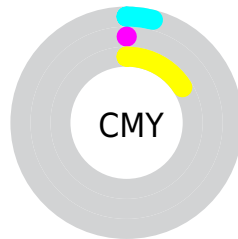
- Red (96%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (87%)



- Cyan (4%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.9036, 95.9679, 77.6144 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 85.9036, 95.9679, 77.6144 by changing the saturation by 10% instead.


 85.9036, 95.9679,
77.6144

 85.9036, 95.9679,
77.6144


503.0520,
547.2590, 506.3495

 64.9133, 72.9408,
57.2427

140.5425,
155.6011, 131.7873

 47.6552, 53.9276,
40.7895


174.9217,
192.9760, 166.4256

 33.7640, 38.5438,
27.8362


214.4947,
235.9024, 206.6566

 22.8744, 26.4050,
17.9642

259.6266,
284.7645, 252.8987

 14.6210, 17.1269,
10.7551

310.6830,
339.9469, 305.5705

 8.6384, 10.3250,
5.7903

368.0291,

 4.5613, 5.6150,

401.8338, 365.0905

2.6513

432.0304,
470.8097, 431.8773

■ 2.0243, 2.6124,
0.9188

■ 0.6476, 0.9329,
0.0000

■ 85.9036, 95.9679,
77.6144

■ 85.9036, 95.9679,
77.6144

■ 80.9636, 93.7685,
61.6931

■ 91.4138, 98.4022,
96.2263

■ 76.5680, 91.7936,
48.3337

95.0500, 100.0000,
108.9000

■ 72.6912, 90.0329,
37.4031

■ 69.3048, 88.4751,
28.7545

■ 66.3776, 87.1076,
22.2255

■ 63.8739, 85.9160,
17.6321

■ 61.7525, 84.8837,
14.7590

■ 59.9618, 83.9902,
13.3386

■ 59.3201, 83.6657,
13.0226

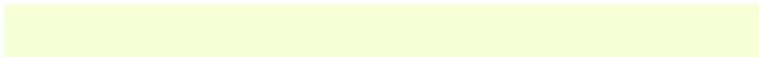
Harmonies

Analogous

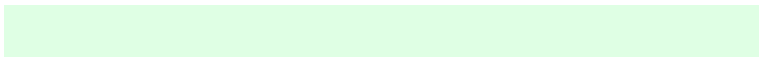
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.6883, 95.9679, 74.5437



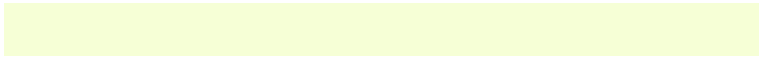
85.9036, 95.9679, 77.6144



81.7090, 95.9679, 87.6300

Triad

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



85.9036, 95.9679, 77.6144



85.1191, 95.9679, 135.3387



103.3721, 95.9679, 105.8528

Complementary

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



85.9036, 95.9679, 77.6144



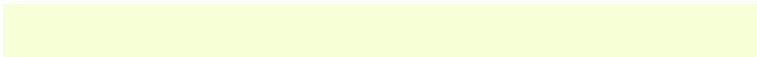
72.5289, 71.0024, 104.4899

Split Complementary

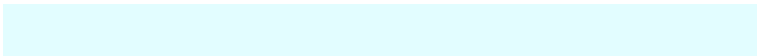
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.4302, 95.9679, 123.3908



85.9036, 95.9679, 77.6144



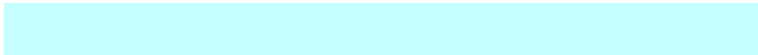
90.7426, 95.9679, 141.5491

Square

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



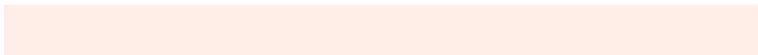
85.9036, 95.9679, 77.6144



81.2704, 95.9679, 120.7888



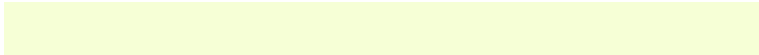
96.7401, 95.9679, 136.9542



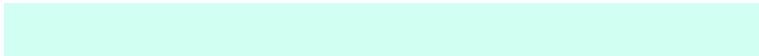
101.9386, 95.9679, 89.7325

Rectangle

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



85.9036, 95.9679, 77.6144



80.2876, 95.9679, 97.5242



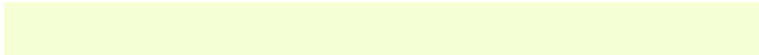
96.7401, 95.9679, 136.9542



103.0907, 95.9679, 111.7856

Sweetspot

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



85.9042, 95.9681, 77.6158



92.0424, 98.6789, 98.3972



79.7348, 78.8291, 74.6328



19.6130, 21.0827, 20.7573



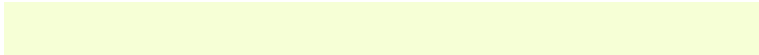
0.0000, 0.0000, 0.0000



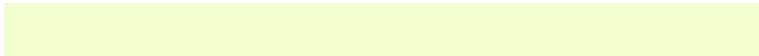
20.3446, 21.4041, 23.3091

Same Dimension

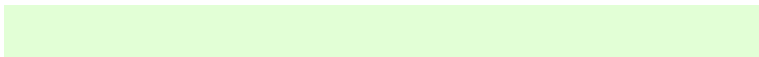
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9042, 95.9681, 77.6158



84.4025, 95.3015, 72.6900



79.1423, 92.4822, 77.2993



19.1482, 20.8778, 19.1649



31.1290, 43.7857, 6.8108



3.1227, 4.3106, 0.6674

Inverse Universe

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



72.5289, 71.0024, 104.4899



68.9243, 66.4080, 103.7931



79.1919, 74.4373, 104.8017



17.3758, 17.5699, 22.7255



10.3856, 4.2644, 49.7103



1.0993, 0.4606, 4.8442

Previews

White Background



This preview shows how the XYZ color 85.9036, 95.9679, 77.6144 looks on a white background.

Color Contrast Check

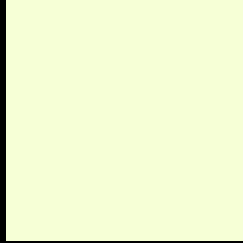
Large Text (above 18pt) WCAG AA × Fail

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 85.9036, 95.9679, 77.6144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

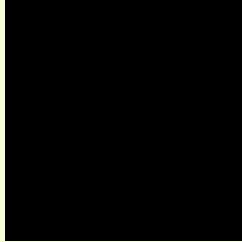
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.9036, 95.9679, 77.6144

Background



This preview shows how black text looks on a background with the XYZ color 85.9036, 95.9679, 77.6144.



This preview shows how white text looks on a background with the XYZ color 85.9036, 95.9679,

77.6144.

Color Blindness Simulation

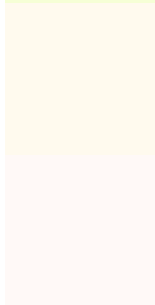
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

85.9036, 95.9679, 77.6144



Protanopia

90.8582, 95.8043, 94.5922

Deuteranopia

91.9042, 95.7268, 101.6289

Tritanopia

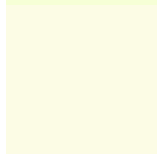
92.0193, 96.1004, 108.3070

Trichromacy



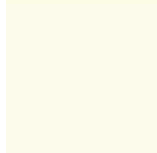
Original Color

85.9036, 95.9679, 77.6144



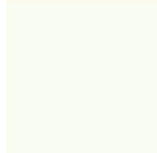
Protanomaly

89.0981, 95.9734, 87.9575



Deuteranomaly

89.6375, 95.6880, 92.3425



Tritanomaly

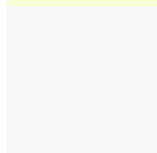
89.6055, 96.0518, 96.2552

Monochromacy



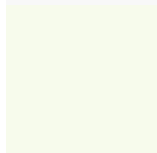
Original Color

85.9036, 95.9679, 77.6144



Achromatopsia

89.2221, 93.8686, 102.2229



Achromatomaly

87.9953, 94.8246, 93.0220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.9036, 95.9679, 77.6144 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(246, 255, 214) looks like.

```
.text, #text, p{  
    color:rgb(246, 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(246, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 214) }
```

Border

The CSS property to change the border of an element to XYZ 85.9036, 95.9679, 77.6144 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(246, 255, 214) }
```


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

```
.border{ border-color:rgb(246, 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(246, 255, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 85.9036, 95.9679, 77.6144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 214) }
```

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

```
.background{ background-color: rgb(246,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor