

Converting Colors

XYZ(135.6550, 120.0101,
87.8637)

Have a look what the booklet for
XYZ(135.6550, 120.0101, 87.8637)
contains.

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Color

**XYZ(89.7779, 96.3718,
85.8213)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFCE2
RGB	255, 252, 226
RGB Percent	100%, 99%, 89%
CMY	0.0000, 0.0117, 0.1137
CMYK	0.00, 0.01, 0.11, 0.00
HSL	54°, 100%, 94%
HSV	54°, 11%, 100%
XYZ	89.7779, 96.3718, 85.8213
YIQ	249.9330, 10.1340, -7.4500

Conversions

Conversions Part 2

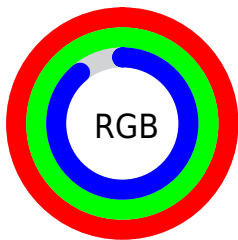
Format	Color
R _Y B	229, 255, 226
Decimal	16776418
CIE Lab	98.58, -3.29, 12.81
CIE LCh	99, 13.222, 104.426
Yxy	96.3718, 0.3301, 0.3543
Android (android.graphics.Color)	4294966498 (0xFFFFFCE2)
YUV	249.9330, -11.7990, 4.4438
Hunter-Lab	98.1691, -8.5537, 16.8860

Details

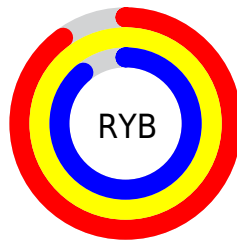
The XYZ color **89.7779, 96.3718, 85.8213** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **77.4327, 79.4253, 105.8572**, and the grayscale version is **90.9015, 95.6355, 104.1470**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **50.1545, 53.9763, 46.3031** is the 20% darker color. If you saturate the color by 10%, you get **85.7154, 93.4362, 68.4689**, and if you desaturate by 10%, it is **94.3767, 99.5465, 105.9224**.

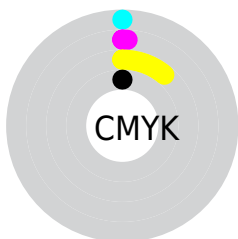
Distribution



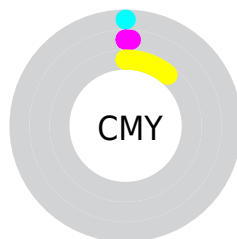
- Red (100%)
- Green (99%)
- Blue (89%)



- Red (90%)
- Yellow (100%)
- Blue (89%)



- Cyan (0%)
- Magenta (1%)
- Yellow (11%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 89.7779, 96.3718, 85.8213 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 89.7779, 96.3718, 85.8213 by changing the saturation by 10% instead.

 89.7779, 96.3718,
85.8213

 89.7779, 96.3718,
85.8213


515.5568,
548.5474, 534.5571

 68.1321, 73.2773,
63.9662


145.9098,
156.1584, 143.4044

 50.2793, 54.2027,
46.1773

181.1266,
193.6193, 179.9695

 35.8541, 38.7637,
32.0361


221.5977,
236.6378, 222.2750

 24.4911, 26.5760,
21.1240

267.6886,
285.5982, 270.7394

 15.8250, 17.2550,
13.0225

319.7647,
340.8850, 325.7812

 9.4905, 10.4165,
7.3132

378.1911,

 5.1221, 5.6760,

402.8825, 387.8191

3.5773

443.3334,
471.9752, 457.2716

■ 2.3546, 2.6491,
1.3964

■ 0.8224, 0.9514,
0.1389

■ 89.7779, 96.3718,
85.8213

■ 89.7779, 96.3718,
85.8213

■ 85.7154, 93.4362,
68.4689

94.3767, 99.5465,
105.9224

■ 82.1597, 90.7184,
53.7386

95.0500, 100.0000,
108.9000

■ 79.0883, 88.2126,
41.5026

■ 76.4745, 85.9079,
31.6207

■ 74.2890, 83.7925,
23.9380

■ 72.4987, 81.8532,
18.2818

■ 71.0660, 80.0748,
14.4531

■ 69.9454, 78.4391,
12.2129

■ 69.1691, 77.1182,
11.2397

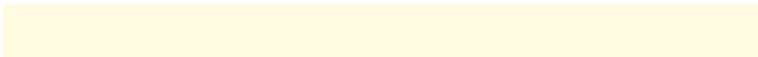
Harmonies

Analogous

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



93.5880, 96.3718, 85.9169



89.7779, 96.3718, 85.8213



86.5447, 96.3718, 90.5933

Triad

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



89.7779, 96.3718, 85.8213



86.4443, 96.3718, 120.3827



98.8696, 96.3718, 110.6917

Complementary

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



89.7779, 96.3718, 85.8213



77.4327, 79.4253, 105.8572

Split Complementary

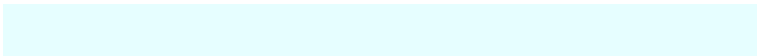
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.8453, 96.3718, 120.7102



89.7779, 96.3718, 85.8213



89.6374, 96.3718, 126.5652

Square

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



89.7779, 96.3718, 85.8213



84.6567, 96.3718, 110.2695



93.4436, 96.3718, 126.6891



98.9098, 96.3718, 99.7705

Rectangle

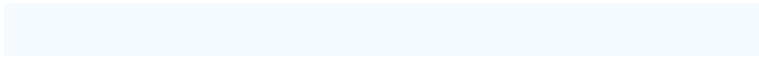
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.7779, 96.3718, 85.8213



85.1213, 96.3718, 96.0975



93.4436, 96.3718, 126.6891



98.3962, 96.3718, 114.2931

Sweetspot

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



89.7801, 96.3758, 85.8233



93.5911, 99.0142, 102.4580



82.6336, 81.3324, 85.7544



19.9507, 21.1375, 21.5710



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.



89.7801, 96.3758, 85.8233



88.6612, 95.5812, 81.0012



86.7557, 96.2235, 85.9533



19.3916, 20.7513, 19.1277



36.2073, 40.4259, 5.8946



3.5696, 4.0246, 0.5887

Inverse Universe

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



77.4327, 79.4253, 105.8572



73.7376, 75.0943, 105.2160



80.2113, 79.6386, 105.7519



17.1539, 17.6794, 22.7583



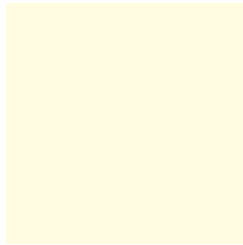
9.6772, 4.2640, 49.7476



0.9898, 0.5102, 4.8596

Previews

White Background



This preview shows how the XYZ color 89.7779, 96.3718, 85.8213 looks on a white background.

Color Contrast Check

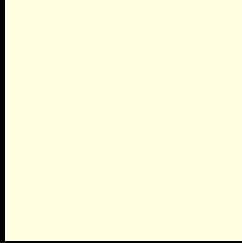
Large Text (above 18pt) WCAG AA × Fail

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 89.7779, 96.3718, 85.8213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

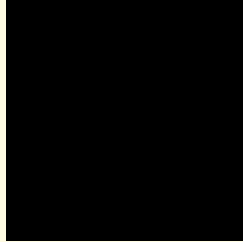
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 89.7779, 96.3718, 85.8213

Background



This preview shows how black text looks on a background with the XYZ color 89.7779, 96.3718, 85.8213.



This preview shows how white text looks on a background with the XYZ color 89.7779, 96.3718,

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

89.7779, 96.3718, 85.8213



Protanopia

91.6144, 96.6052, 97.0372

Deuteranopia

92.3689, 96.4085, 102.5473

Tritanopia

93.1087, 96.6620, 108.3580

Trichromacy



Original Color

89.7779, 96.3718, 85.8213

Protanomaly

90.8775, 96.3105, 93.1569

Deuteranomaly

91.4654, 96.5456, 96.2525

Tritanomaly

91.6994, 96.5968, 99.3999

Monochromacy



Original Color

89.7779, 96.3718, 85.8213



Achromatopsia

90.8653, 95.5973, 104.1055



Achromatomaly

90.5192, 96.0407, 96.9859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 89.7779, 96.3718, 85.8213 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(255, 252, 226) looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 226)  
}
```

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(255, 252, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 226) }
```

Border

The CSS property to change the border of an element to XYZ 89.7779, 96.3718, 85.8213 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(255, 252, 226) }
```


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

```
.border{ border-color:rgb(255, 252, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 252, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 89.7779, 96.3718, 85.8213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 226) }
```

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

```
.background{ background-color: rgb(255,  
252, 226) }
```

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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