

Converting Colors

XYZ(96.7347, 100.0000,
85.5986)

Have a look what the booklet for
XYZ(96.7347, 100.0000, 85.5986)
contains.

XYZ(89.6410, 96.3170, 85.1006)	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(89.6410, 96.3170,
85.1006)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFCE1
RGB	255, 252, 225
RGB Percent	100%, 99%, 88%
CMY	0.0000, 0.0117, 0.1176
CMYK	0.00, 0.01, 0.12, 0.00
HSL	54°, 100%, 94%
HSV	54°, 12%, 100%
XYZ	89.6410, 96.3170, 85.1006
YIQ	249.8190, 10.4550, -7.7610

Conversions

Conversions Part 2

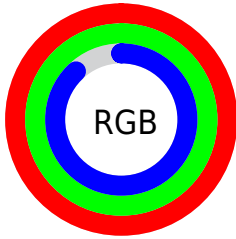
Format	Color
R_{YB}	228, 255, 225
Decimal	16776417
CIE Lab	98.56, -3.45, 13.29
CIE LCh	99, 13.727, 104.556
Yxy	96.3170, 0.3307, 0.3553
Android (android.graphics.Color)	4294966497 (0xFFFFFCE1)
YUV	249.8190, -12.2358, 4.5437
Hunter-Lab	98.1412, -8.7074, 17.2871

Details

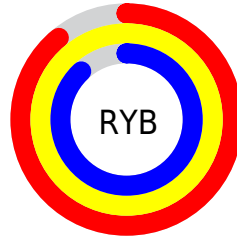
The XYZ color 89.6410, 96.3170, 85.1006 is a light color, and the websafe version is hex FFFCC. A complement of this color would be 76.8442, 78.7123, 105.7506, and the grayscale version is 90.8106, 95.5399, 104.0429.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.0595, 53.9383, 45.8029 is the 20% darker color. If you saturate the color by 10%, you get 85.6256, 93.4437, 67.8624, and if you desaturate by 10%, it is 94.1911, 99.4276, 105.0827.

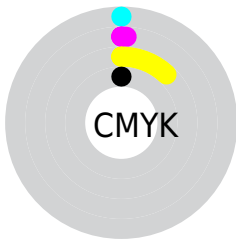
Distribution



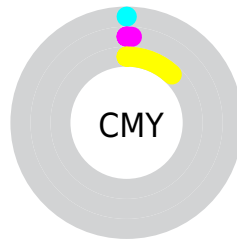
- Red (100%)
- Green (99%)
- Blue (88%)



- Red (89%)
- Yellow (100%)
- Blue (88%)



- Cyan (0%)
- Magenta (1%)
- Yellow (12%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 89.6410, 96.3170, 85.1006 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 89.6410, 96.3170, 85.1006 by changing the saturation by 10% instead.


 89.6410, 96.3170,
85.1006

 89.6410, 96.3170,
85.1006


515.1177,
548.3727, 532.1142

 68.0182, 73.2316,
63.3739


145.7205,
156.0828, 142.3891

 50.1863, 54.1654,
45.7008


180.9080,
193.5321, 178.7880

 35.7798, 38.7339,
31.6628


221.3477,
236.5380, 220.9147

 24.4335, 26.5528,
20.8414

267.4050,
285.4851, 269.1878

 15.7820, 17.2376,
12.8180

319.4453,
340.7577, 324.0257

 9.4599, 10.4041,
7.1741

377.8340,

 5.1018, 5.6677,

402.7403, 385.8470

3.4911

442.9363,
471.8171, 455.0703

■ 2.3425, 2.6441,
1.3505

■ 0.8163, 0.9489,
0.1027

■ 89.6410, 96.3170,
85.1006

■ 89.6410, 96.3170,
85.1006

■ 85.6256, 93.4437,
67.8624

■ 94.1911, 99.4276,
105.0827

■ 82.1153, 90.7864,
53.2410

■ 95.0500, 100.0000,
108.9000

■ 79.0877, 88.3391,
41.1085

■ 76.5158, 86.0911,
31.3240

■ 74.3701, 84.0304,
23.7321

■ 72.6177, 82.1439,
18.1592

■ 71.2205, 80.4161,
14.4051

■ 70.1326, 78.8287,
12.2286

■ 69.4119, 77.6039,
11.3206

Harmonies

Analogous

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



93.5947, 96.3170, 85.1770



89.6410, 96.3170, 85.1006



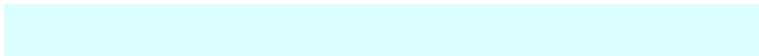
86.2936, 96.3170, 90.0508

Triad

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



89.6410, 96.3170, 85.1006



86.2131, 96.3170, 120.9741



99.1046, 96.3170, 110.8042

Complementary

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



89.6410, 96.3170, 85.1006



76.8442, 78.7123, 105.7506

Split Complementary

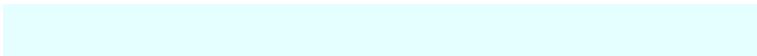
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.0082, 96.3170, 121.2381



89.6410, 96.3170, 85.1006



89.5282, 96.3170, 127.3924

Square

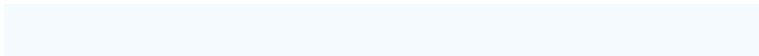
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.6410, 96.3170, 85.1006



84.3536, 96.3170, 110.4647



93.4786, 96.3170, 127.4924



99.1369, 96.3170, 99.4730

Rectangle

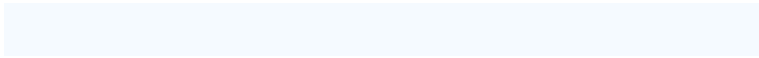
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.6410, 96.3170, 85.1006



84.8237, 96.3170, 95.7562



93.4786, 96.3170, 127.4924



98.6153, 96.3170, 114.5505

Sweetspot

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



89.6432, 96.3210, 85.1026



93.1270, 98.7126, 100.3713



82.1696, 80.7130, 84.6484



19.8577, 21.0776, 21.1512



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.



89.6432, 96.3210, 85.1026



88.6996, 95.6581, 81.0140



86.3133, 96.0112, 85.2183



19.3972, 20.7625, 19.1296



36.3324, 40.6760, 5.9363



3.5805, 4.0464, 0.5923

Inverse Universe

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



76.8442, 78.7123, 105.7506



73.7048, 75.0288, 105.2051



79.9012, 79.0762, 105.6597



17.1488, 17.6693, 22.7566



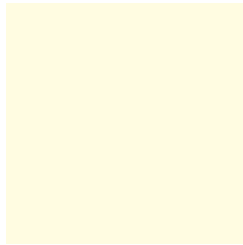
9.6659, 4.2413, 49.7438



0.9874, 0.5054, 4.8588

Previews

White Background



This preview shows how the XYZ color 89.6410, 96.3170, 85.1006 looks on a white background.

Color Contrast Check

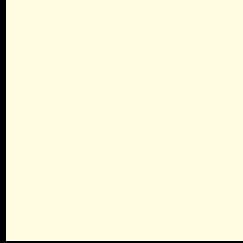
Large Text (above 18pt) WCAG AA × Fail

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 89.6410, 96.3170, 85.1006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

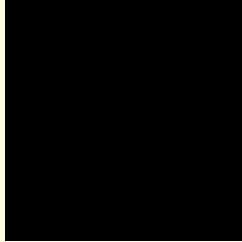
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 89.6410, 96.3170, 85.1006

Background



This preview shows how black text looks on a background with the XYZ color 89.6410, 96.3170, 85.1006.



This preview shows how white text looks on a background with the XYZ color 89.6410, 96.3170,

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

89.6410, 96.3170, 85.1006



Protanopia

91.6144, 96.6052, 97.0372

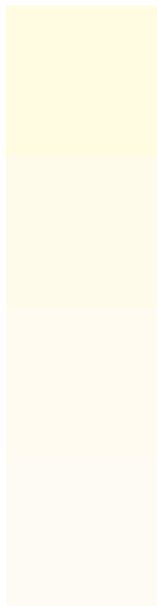
Deuteranopia

92.3689, 96.4085, 102.5473

Tritanopia

93.1087, 96.6620, 108.3580

Trichromacy



Original Color

89.6410, 96.3170, 85.1006

Protanomaly

90.7326, 96.2525, 92.3937

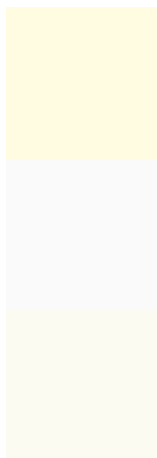
Deuteranomaly

91.4654, 96.5456, 96.2525

Tritanomaly

91.6994, 96.5968, 99.3999

Monochromacy



Original Color

89.6410, 96.3170, 85.1006

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 89.6410, 96.3170, 85.1006 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 225) }
```

Border

The CSS property to change the border of an element to XYZ 89.6410, 96.3170, 85.1006 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, 225) }
```


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

```
.border{ border-color:rgb(255, 252, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 89.6410, 96.3170, 85.1006 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, 225) }
```

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

```
.background{ background-color: rgb(255,  
252, 225) }
```

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