

Converting Colors

XYZ(97.1188, 100.0000,
82.7896)

Have a look what the booklet for
XYZ(97.1188, 100.0000, 82.7896)
contains.

XYZ(89.1015, 96.1013, 82.2599)	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(89.1015, 96.1013,
82.2599)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFCDD
RGB	255, 252, 221
RGB Percent	100%, 99%, 87%
CMY	0.0000, 0.0117, 0.1333
CMYK	0.00, 0.01, 0.13, 0.00
HSL	55°, 100%, 93%
HSV	55°, 13%, 100%
XYZ	89.1015, 96.1013, 82.2599
YIQ	249.3630, 11.7390, -9.0050

Conversions

Conversions Part 2

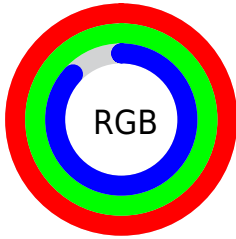
Format	Color
R _Y B	224, 255, 221
Decimal	16776413
CIE Lab	98.47, -4.07, 15.21
CIE LCh	98, 15.746, 104.967
Yxy	96.1013, 0.3331, 0.3593
Android (android.graphics.Color)	4294966493 (0xFFFFFCDD)
YUV	249.3630, -13.9830, 4.9436
Hunter-Lab	98.0313, -9.3145, 18.8705

Details

The XYZ color 89.1015, 96.1013, 82.2599 is a light color, and the websafe version is hex FFFFC0. A complement of this color would be 74.5239, 75.9014, 105.3303, and the grayscale version is 90.4479, 95.1582, 103.6273.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.6867, 53.7892, 43.8400 is the 20% darker color. If you saturate the color by 10%, you get 85.2586, 93.4457, 65.4711, and if you desaturate by 10%, it is 93.4735, 98.9882, 101.7734.

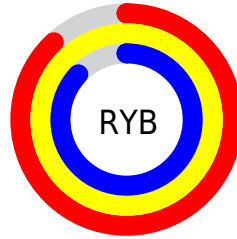
Distribution



Red (100%)

Green (99%)

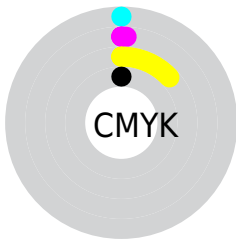
Blue (87%)



Red (88%)

Yellow (100%)

Blue (87%)

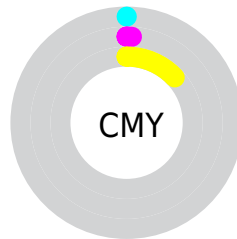


Cyan (0%)

Magenta (1%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (1%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 89.1015, 96.1013, 82.2599 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 89.1015, 96.1013, 82.2599 by changing the saturation by 10% instead.


 89.1015, 96.1013,
82.2599

 89.1015, 96.1013,
82.2599


513.3853,
547.6847, 522.4229

 67.5695, 73.0519,
61.0427


144.9744,
155.7852, 138.3784

 49.8200, 54.0184,
43.8289

180.0460,
193.1885, 174.1167

 35.4876, 38.6164,
30.1998


220.3615,
236.1453, 215.5326

 24.2070, 26.4614,
19.7369

266.2863,
285.0399, 263.0444

 15.6128, 17.1692,
12.0218

318.1857,
340.2568, 317.0709

 9.3397, 10.3552,
6.6358

376.4251,

 5.0223, 5.6351,

402.1803, 378.0304

3.1604

441.3699,
471.1948, 446.3415

■ 2.2952, 2.6245,
1.1771

■ 0.7922, 0.9390,
0.0000

■ 89.1015, 96.1013,
82.2599

■ 89.1015, 96.1013,
82.2599

■ 85.2586, 93.4457,
65.4711

■ 93.4735, 98.9882,
101.7734

■ 81.9146, 90.9998,
51.2786

95.0500, 100.0000,
108.9000

■ 79.0468, 88.7576,
39.5529

■ 76.6280, 86.7082,
30.1510

■ 74.6283, 84.8395,
22.9152

■ 73.0138, 83.1381,
17.6682

■ 71.7457, 81.5883,
14.2046

■ 70.7765, 80.1711,
12.2746

■ 70.2508, 79.2815,
11.6003

Harmonies

Analogous

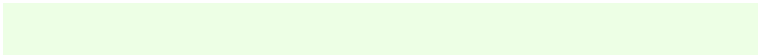
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.6284, 96.1013, 82.2663



89.1015, 96.1013, 82.2599



85.2997, 96.1013, 87.8999

Triad

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



89.1015, 96.1013, 82.2599



85.2929, 96.1013, 123.3537



100.0500, 96.1013, 111.2693

Complementary

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



89.1015, 96.1013, 82.2599



74.5239, 75.9014, 105.3303

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.



97.6618, 96.1013, 123.3765



89.1015, 96.1013, 82.2599



89.0919, 96.1013, 130.7371

Square

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



89.1015, 96.1013, 82.2599



83.1510, 96.1013, 111.2402



93.6185, 96.1013, 130.7457



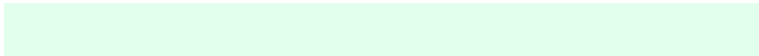
100.0527, 96.1013, 98.3023

Rectangle

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



89.1015, 96.1013, 82.2599



83.6449, 96.1013, 94.3943



93.6185, 96.1013, 130.7457



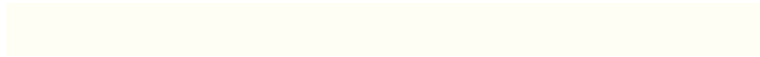
99.4961, 96.1013, 115.5972

Sweetspot

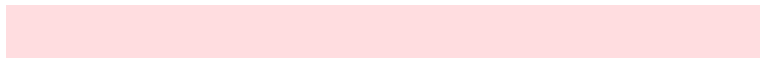
The Sweet Spot groups the original color and five complimentary colors.



89.1038, 96.1054, 82.2619



93.1651, 98.7887, 100.3840



80.6061, 78.3776, 81.6871



19.8674, 21.0970, 21.1544



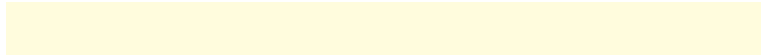
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

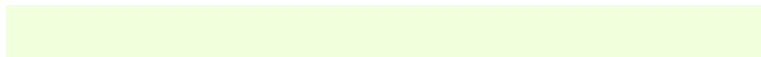
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1038, 96.1054, 82.2619



88.0278, 95.3745, 77.5219



85.2240, 95.5120, 82.3519



19.4164, 20.8010, 19.1360



36.7642, 41.5396, 6.0803



3.6181, 4.1215, 0.6048

Inverse Universe

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



74.5239, 75.9014, 105.3303



70.8576, 71.5815, 104.6898



78.0364, 76.5283, 105.2662



17.1316, 17.6347, 22.7509



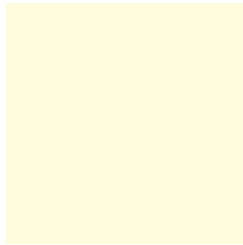
9.6295, 4.1686, 49.7317



0.9792, 0.4892, 4.8561

Previews

White Background



This preview shows how the XYZ color 89.1015, 96.1013, 82.2599 looks on a white background.

Color Contrast Check

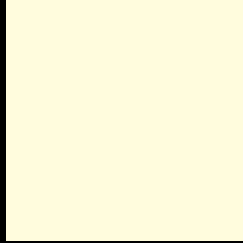
Large Text (above 18pt) WCAG AA × Fail

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 89.1015, 96.1013, 82.2599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

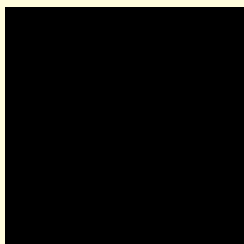
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 89.1015, 96.1013, 82.2599

Background



This preview shows how black text looks on a background with the XYZ color 89.1015, 96.1013, 82.2599.



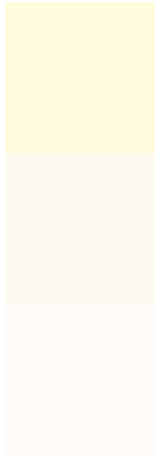
This preview shows how white text looks on a background with the XYZ color 89.1015, 96.1013,

82.2599.

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

89.1015, 96.1013, 82.2599

Protanopia

91.1538, 95.9225, 96.1486

Deuteranopia

92.3689, 96.4085, 102.5473

Tritanopia

92.7987, 96.0422, 108.2547

Trichromacy



Original Color

89.1015, 96.1013, 82.2599

Protanomaly

90.4452, 96.1376, 90.8802

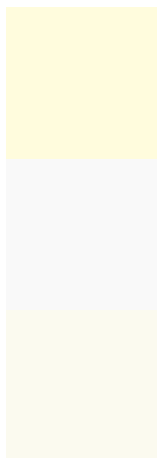
Deuteranomaly

91.1698, 96.4274, 94.6961

Tritanomaly

91.2363, 95.9131, 98.4984

Monochromacy



Original Color

89.1015, 96.1013, 82.2599

Achromatopsia

90.0415, 94.7307, 103.1617

Achromatomaly

89.5493, 95.1124, 95.3001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 89.1015, 96.1013, 82.2599 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 221) }
```

Border

The CSS property to change the border of an element to XYZ 89.1015, 96.1013, 82.2599 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, 221) }
```


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

```
.border{ border-color:rgb(255, 252, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 89.1015, 96.1013, 82.2599 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, 221) }
```

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

```
.background{ background-color: rgb(255,  
252, 221) }
```

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