

Converting Colors

XYZ(95.0471, 100.0000,
80.6921)

Have a look what the booklet for
XYZ(95.0471, 100.0000, 80.6921)
contains.

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Color

**XYZ(89.3367, 97.2056,
80.3837)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFEDA
RGB	255, 254, 218
RGB Percent	100%, 100%, 85%
CMY	0.0000, 0.0039, 0.1451
CMYK	0.00, 0.00, 0.15, 0.00
HSL	58°, 100%, 93%
HSV	58°, 15%, 100%
XYZ	89.3367, 97.2056, 80.3837
YIQ	250.1950, 12.1520, -10.9840

Conversions

Conversions Part 2

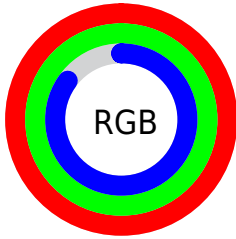
Format	Color
R_{YB}	219, 255, 218
Decimal	16776922
CIE Lab	98.91, -5.52, 17.36
CIE LCh	99, 18.217, 107.636
Yxy	97.2056, 0.3347, 0.3642
Android (android.graphics.Color)	4294967002 (0xFFFFFEDA)
YUV	250.1950, -15.8721, 4.2140
Hunter-Lab	98.5929, -10.7957, 20.6753

Details

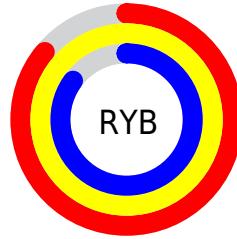
The XYZ color **89.3367, 97.2056, 80.3837** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.2945, 72.7865, 104.8466**, and the grayscale version is **91.1496, 95.8965, 104.4313**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.8658, 54.5826, 42.5576** is the 20% darker color. If you saturate the color by 10%, you get **86.0370, 95.5418, 64.0681**, and if you desaturate by 10%, it is **93.1552, 99.0846, 99.4075**.

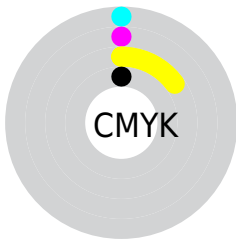
Distribution



- Red (100%)
- Green (100%)
- Blue (85%)



- Red (86%)
- Yellow (100%)
- Blue (85%)



- Cyan (0%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 89.3367, 97.2056, 80.3837 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 89.3367, 97.2056, 80.3837 by changing the saturation by 10% instead.


 89.3367, 97.2056,
80.3837

 89.3367, 97.2056,
80.3837


514.1409,
551.2021, 515.9658

 67.7651, 73.9721,
59.5061


145.2997,
157.3082, 135.7213

 49.9796, 54.7712,
42.5980

180.4219,
194.9461, 171.0185

 35.6149, 39.2185,
29.2408


220.7916,
238.1542, 211.9592

 24.3057, 26.9298,
19.0159

266.7742,
287.3170, 258.9621

 15.6865, 17.5205,
11.5048

318.7351,
342.8187, 312.4456

 9.3920, 10.6063,
6.2890

377.0396,

 5.0569, 5.8028,

405.0439, 372.8284

2.9500

442.0531,
474.3769, 440.5290

■ 2.3158, 2.7255,
1.0692

■ 0.8027, 0.9902,
0.0000

■ 89.3367, 97.2056,
80.3837

■ 89.3367, 97.2056,
80.3837

■ 86.0370, 95.5418,
64.0681


■ 93.1552, 99.0846,
99.4075


■ 83.2259, 94.0715,
50.3314


95.0500, 100.0000,
108.9000


■ 80.8805, 92.7886,
39.0428


■ 78.9732, 91.6823,
30.0578

 77.4737, 90.7404,
23.2166

 76.3479, 89.9491,
18.3393

 75.5560, 89.2926,
15.2163

 75.0491, 88.7514,
13.5908

 74.8540, 88.4881,
13.1347

Harmonies

Analogous

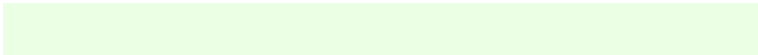
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.5910, 97.2056, 79.8065



89.3367, 97.2056, 80.3837



85.0615, 97.2056, 87.3610

Triad

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



89.3367, 97.2056, 80.3837



85.6905, 97.2056, 128.9114



102.7109, 97.2056, 112.2156

Complementary

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



89.3367, 97.2056, 80.3837



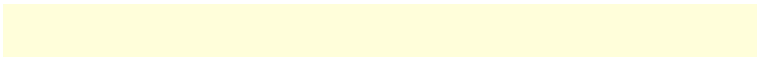
72.2945, 72.7865, 104.8466

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.



100.1300, 97.2056, 126.7576



89.3367, 97.2056, 80.3837



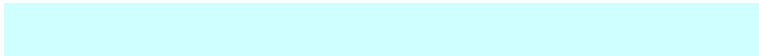
90.2254, 97.2056, 136.9972

Square

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



89.3367, 97.2056, 80.3837



83.0124, 97.2056, 114.9346



95.5141, 97.2056, 136.1733



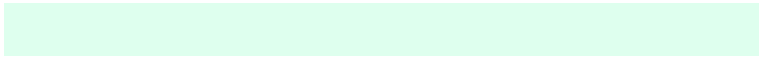
102.4507, 97.2056, 97.2390

Rectangle

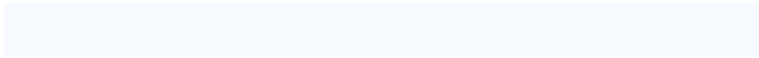
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.3367, 97.2056, 80.3837



83.2805, 97.2056, 95.1159



95.5141, 97.2056, 136.1733



102.1429, 97.2056, 117.3421

Sweetspot

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



89.3390, 97.2097, 80.3858



93.3636, 99.1857, 100.4502



79.1291, 76.5308, 77.7817



19.9178, 21.1979, 21.1712



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.



89.3390, 97.2097, 80.3858



88.4693, 96.7752, 76.0728



83.5859, 94.7132, 80.2071



19.5169, 21.0021, 19.1695



39.1317, 46.2745, 6.8694



3.8228, 4.5310, 0.6731

Inverse Universe

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



72.2945, 72.7865, 104.8466



68.8481, 68.6602, 104.2318



77.4714, 75.0717, 105.0148



17.0421, 17.4558, 22.7210



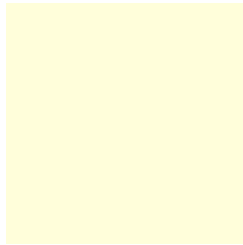
9.4873, 3.8841, 49.6843



0.9369, 0.4045, 4.8420

Previews

White Background



This preview shows how the XYZ color 89.3367, 97.2056, 80.3837 looks on a white background.

Color Contrast Check

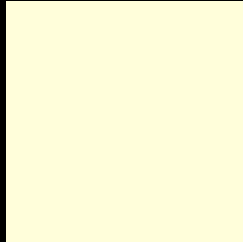
Large Text (above 18pt) WCAG AA × Fail

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 89.3367, 97.2056, 80.3837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

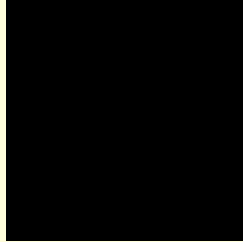
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 89.3367, 97.2056, 80.3837

Background



This preview shows how black text looks on a background with the XYZ color 89.3367, 97.2056, 80.3837.

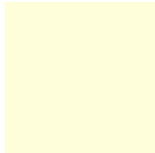


This preview shows how white text looks on a background with the XYZ color 89.3367, 97.2056,

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

89.3367, 97.2056, 80.3837



Protanopia

92.3795, 97.4125, 99.5215

Deuteranopia

92.8361, 97.0939, 103.4705

Tritanopia

93.4202, 97.2852, 108.4619

Trichromacy



Original Color

89.3367, 97.2056, 80.3837



Protanomaly

91.3607, 97.5087, 92.6031

Deuteranomaly

91.4830, 97.0539, 94.8005

Tritanomaly

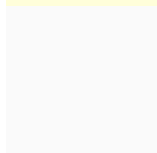
91.7105, 97.1024, 97.9134

Monochromacy



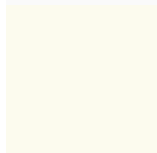
Original Color

89.3367, 97.2056, 80.3837



Achromatopsia

90.8653, 95.5973, 104.1055



Achromatomaly

90.0747, 95.8629, 94.6449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 89.3367, 97.2056, 80.3837 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, 254, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 218)  
}
```

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, 254, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 218) }
```

Border

The CSS property to change the border of an element to XYZ 89.3367, 97.2056, 80.3837 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, 254, 218) }
```


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

```
.border{ border-color:rgb(255, 254, 218) }
```

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

Here you see how a box with a 4 pixel rgb(255, 254, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 89.3367, 97.2056, 80.3837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 218) }
```

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

```
.background{ background-color: rgb(255,  
254, 218) }
```

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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