

Converting Colors

XYZ(90.1859, 96.9500, 86.6905)

Have a look what the booklet for
XYZ(90.1859, 96.9500, 86.6905)
contains.

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Color

**XYZ(90.2304, 97.0566,
86.6512)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFDE3
RGB	255, 253, 227
RGB Percent	100%, 99%, 89%
CMY	0.0000, 0.0078, 0.1098
CMYK	0.00, 0.01, 0.11, 0.00
HSL	56°, 100%, 95%
HSV	56°, 11%, 100%
XYZ	90.2304, 97.0566, 86.6512
YIQ	250.6340, 9.5380, -7.6620

Conversions

Conversions Part 2

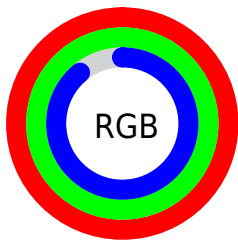
Format	Color
R_{YB}	229, 255, 227
Decimal	16776675
CIE Lab	98.85, -3.64, 12.68
CIE LCh	99, 13.190, 106.011
Yxy	97.0566, 0.3294, 0.3543
Android (android.graphics.Color)	4294966755 (0xFFFFFDE3)
YUV	250.6340, -11.6516, 3.8290
Hunter-Lab	98.5173, -8.9200, 16.8134

Details

The XYZ color **90.2304, 97.0566, 86.6512** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **77.7473, 79.5875, 105.8719**, and the grayscale version is **91.4809, 96.2450, 104.8109**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **50.4750, 54.4642, 46.8820** is the 20% darker color. If you saturate the color by 10%, you get **86.3985, 94.6141, 69.2771**, and if you desaturate by 10%, it is **94.5936, 99.7267, 106.7766**.

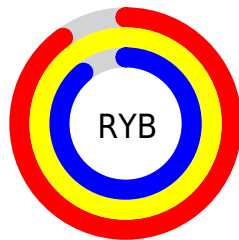
Distribution



Red (100%)

Green (99%)

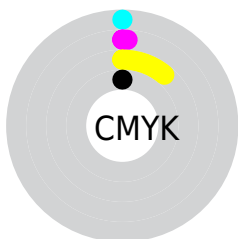
Blue (89%)



Red (90%)

Yellow (100%)

Blue (89%)

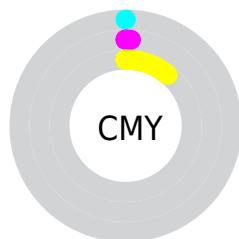


Cyan (0%)

Magenta (1%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (1%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 90.2304, 97.0566, 86.6512 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 90.2304, 97.0566, 86.6512 by changing the saturation by 10% instead.

 90.2304, 97.0566,
86.6512

 90.2304, 97.0566,
86.6512


517.0068,
550.7282, 537.3624

 68.5087, 73.8479,
64.6486


146.5351,
157.1028, 144.5724

 50.5868, 54.6695,
46.7267

181.8488,
194.7091, 181.3282

 36.0996, 39.1372,
32.4668


222.4238,
237.8834, 223.8387

 24.6816, 26.8665,
21.4506

268.6256,
287.0100, 272.5226

 15.9675, 17.4730,
13.2593

320.8194,
342.4735, 327.7984

 9.5918, 10.5723,
7.4745

379.3706,

 5.1894, 5.7800,

404.6580, 390.0846

3.6777

444.6446,
473.9481, 459.7998

■ 2.3947, 2.7118,
1.4502

■ 0.8425, 0.9832,
0.1804

■ 90.2304, 97.0566,
86.6512

■ 90.2304, 97.0566,
86.6512

■ 86.3985, 94.6141,
69.2771

94.5936, 99.7267,
106.7766

■ 83.0682, 92.3778,
54.5278

95.0500, 100.0000,
108.9000

■ 80.2174, 90.3419,
42.2764

■ 77.8194, 88.4959,
32.3826

■ 75.8449, 86.8278,
24.6926

■ 74.2613, 85.3248,
19.0343

■ 73.0310, 83.9716,
15.2099

■ 72.1089, 82.7504,
12.9826

■ 71.4782, 81.7365,
12.0094

Harmonies

Analogous

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



94.0434, 97.0566, 86.4823



90.2304, 97.0566, 86.6512



87.0451, 97.0566, 91.6793

Triad

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



90.2304, 97.0566, 86.6512



87.2223, 97.0566, 121.6119



99.5911, 97.0566, 110.8657

Complementary

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



90.2304, 97.0566, 86.6512



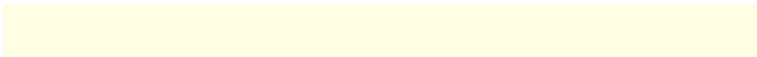
77.7473, 79.5875, 105.8719

Split Complementary

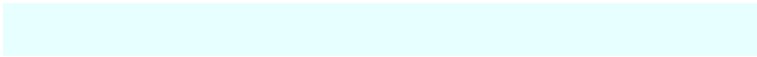
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.6570, 97.0566, 121.0340



90.2304, 97.0566, 86.6512



90.4784, 97.0566, 127.5230

Square

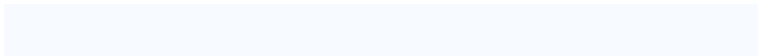
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



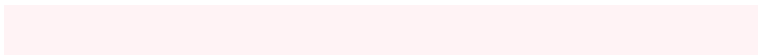
90.2304, 97.0566, 86.6512



85.3416, 97.0566, 111.6107



94.2983, 97.0566, 127.3044



99.5202, 97.0566, 99.9596

Rectangle

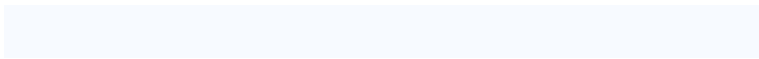
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.2304, 97.0566, 86.6512



85.6751, 97.0566, 97.3228



94.2983, 97.0566, 127.3044



99.1516, 97.0566, 114.4985

Sweetspot

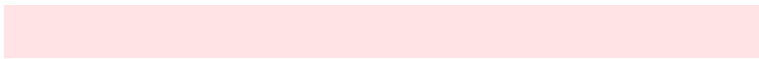
The Sweet Spot groups the original color and five complimentary colors.



90.2326, 97.0607, 86.6533



93.6690, 99.1699, 102.4840



82.8993, 81.8751, 85.8085



19.9718, 21.1797, 21.5780



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

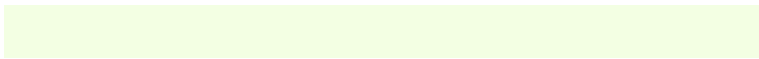
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.2326, 97.0607, 86.6533



89.4162, 96.5490, 82.9250



86.7030, 96.1804, 86.6694



19.4440, 20.8562, 19.1452



37.3958, 42.8029, 6.2908



3.6729, 4.2312, 0.6231

Inverse Universe

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



77.7473, 79.5875, 105.8719



74.8406, 76.1505, 105.3617



81.0042, 80.4522, 105.8672



17.1069, 17.5854, 22.7426



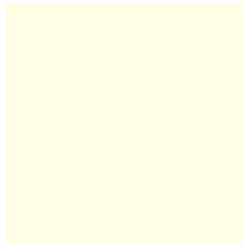
9.5835, 4.0765, 49.7163



0.9676, 0.4659, 4.8522

Previews

White Background



This preview shows how the XYZ color 90.2304, 97.0566, 86.6512 looks on a white background.

Color Contrast Check

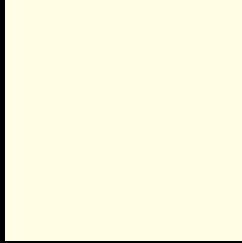
Large Text (above 18pt) WCAG AA × Fail

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 90.2304, 97.0566, 86.6512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

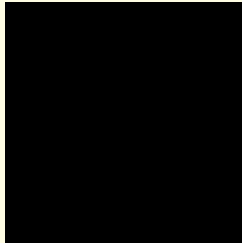
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 90.2304, 97.0566, 86.6512

Background



This preview shows how black text looks on a background with the XYZ color 90.2304, 97.0566, 86.6512.



This preview shows how white text looks on a background with the XYZ color 90.2304, 97.0566,

86.6512.

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

90.2304, 97.0566, 86.6512

Protanopia

92.0663, 96.7860, 99.4171

Deuteranopia

92.9925, 97.1565, 104.2943

Tritanopia

93.4202, 97.2852, 108.4619

Trichromacy



Original Color

90.2304, 97.0566, 86.6512

Protanomaly

91.4830, 97.0539, 94.8005

Deuteranomaly

92.0774, 97.2916, 97.9306

Tritanomaly

92.1649, 97.2842, 100.3063

Monochromacy



Original Color

90.2304, 97.0566, 86.6512



Achromatopsia

91.6934, 96.4686, 105.0543



Achromatomaly

90.9823, 96.7271, 97.8793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 90.2304, 97.0566, 86.6512 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, 253, 227) looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 227)  
}
```

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, 253, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 227) }
```

Border

The CSS property to change the border of an element to XYZ 90.2304, 97.0566, 86.6512 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, 253, 227) }
```


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

```
.border{ border-color:rgb(255, 253, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 253, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 90.2304, 97.0566, 86.6512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 227) }
```

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

```
.background{ background-color: rgb(255,  
253, 227) }
```

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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