

Converting Colors

XYZ(94.9844, 100.0000,
74.0502)

Have a look what the booklet for
XYZ(94.9844, 100.0000, 74.0502)
contains.

XYZ(87.7504, 96.0646, 73.5919)	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(87.7504, 96.0646,
73.5919)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFDD0
RGB	255, 253, 208
RGB Percent	100%, 99%, 82%
CMY	0.0000, 0.0078, 0.1843
CMYK	0.00, 0.01, 0.18, 0.00
HSL	57°, 100%, 91%
HSV	57°, 18%, 100%
XYZ	87.7504, 96.0646, 73.5919
YIQ	248.4680, 15.6370, -13.5710

Conversions

Conversions Part 2

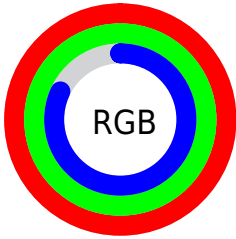
Format	Color
R _Y B	210, 255, 208
Decimal	16776656
CIE Lab	98.46, -6.49, 21.82
CIE LCh	98, 22.768, 106.561
Yxy	96.0646, 0.3409, 0.3732
Android (android.graphics.Color)	4294966736 (0xFFFFFDD0)
YUV	248.4680, -19.9507, 5.7286
Hunter-Lab	98.0126, -11.7113, 24.0914

Details

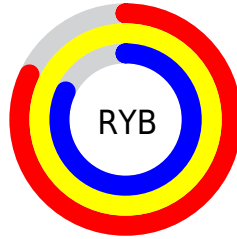
The XYZ color **87.7504, 96.0646, 73.5919** is a light color, and the websafe version is hex **FFFFCC**, and the color name is **cream**. A complement of this color would be **67.1086, 66.7213, 103.9492**, and the grayscale version is **89.7575, 94.4318, 102.8363**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7784, 53.7855, 37.9477** is the 20% darker color. If you saturate the color by 10%, you get **84.5222, 94.2317, 58.2623**, and if you desaturate by 10%, it is **91.4896, 98.1115, 91.5828**.

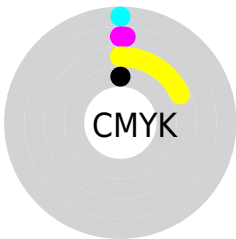
Distribution



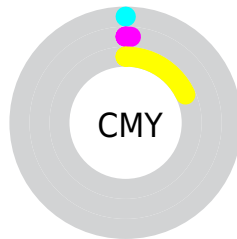
- Red (100%)
- Green (99%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (82%)



- Cyan (0%)
- Magenta (1%)
- Yellow (18%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.7504, 96.0646, 73.5919 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 87.7504, 96.0646, 73.5919 by changing the saturation by 10% instead.


 87.7504, 96.0646,
73.5919

 87.7504, 96.0646,
73.5919


509.0331,
547.5676, 492.1894

 66.4465, 73.0214,
53.9653

143.1039,
155.7346, 126.0458

 48.9040, 53.9934,
38.1810


177.8842,
193.1301, 159.7102

 34.7575, 38.5964,
25.8202


217.8874,
236.0785, 198.8910

 23.6418, 26.4459,
16.4646

263.4787,
284.9642, 244.0067

 15.1914, 17.1575,
9.6956

315.0236,
340.1715, 295.4759

 9.0410, 10.3469,
5.0947

372.8874,

 4.8253, 5.6295,

402.0850, 353.7170

2.2432

437.4355,
471.0888, 419.1486

■ 2.1788, 2.6212,
0.6991

■ 0.7315, 0.9373,
0.0000

■ 87.7504, 96.0646,
73.5919

■ 87.7504, 96.0646,
73.5919

■ 84.5222, 94.2317,
58.2623

■ 91.4896, 98.1115,
91.5828

■ 81.7741, 92.5907,
45.4611

95.0500, 100.0000,
108.9000

■ 79.4823, 91.1353,
35.0533

■ 77.6183, 89.8541,
26.8889

■ 76.1505, 88.7344,
20.8010

■ 75.0426, 87.7618,
16.5993

■ 74.2520, 86.9192,
14.0588

■ 73.7189, 86.1826,
12.8644

■ 73.6458, 86.0716,
12.7319

Harmonies

Analogous

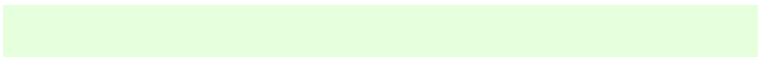
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.2761, 96.0646, 73.1887



87.7504, 96.0646, 73.5919



82.4316, 96.0646, 81.6273

Triad

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



87.7504, 96.0646, 73.5919



82.8874, 96.0646, 133.1501



104.1620, 96.0646, 113.2398

Complementary

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



87.7504, 96.0646, 73.5919



67.1086, 66.7213, 103.9492

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.



100.7966, 96.0646, 131.5184



87.7504, 96.0646, 73.5919



88.3999, 96.0646, 143.9103

Square

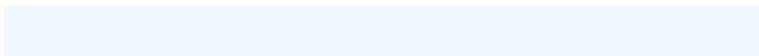
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.7504, 96.0646, 73.5919



79.7176, 96.0646, 115.2607



94.9574, 96.0646, 143.2796



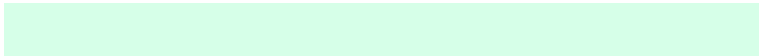
103.9675, 96.0646, 94.6141

Rectangle

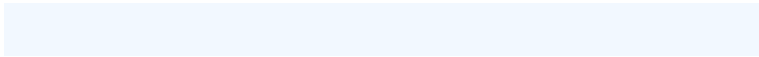
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.7504, 96.0646, 73.5919



80.1923, 96.0646, 90.8478



94.9574, 96.0646, 143.2796



103.4029, 96.0646, 119.6700

Sweetspot

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



87.7527, 96.0688, 73.5939



92.4769, 98.6401, 96.3700



75.4732, 71.0435, 70.9379



19.7364, 21.0824, 20.3483



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

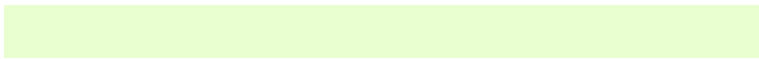
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7527, 96.0688, 73.5939



86.5427, 95.3899, 67.8228



81.0282, 93.5414, 73.4605



19.4913, 20.9508, 19.1609



38.5106, 45.0324, 6.6624



3.7693, 4.4240, 0.6553

Inverse Universe

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



67.1086, 66.7213, 103.9492



62.5286, 61.2523, 103.1350



72.9677, 69.0157, 104.0833



17.0648, 17.5012, 22.7286



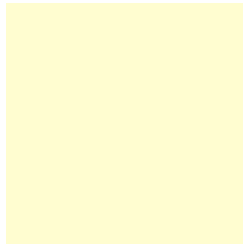
9.5196, 3.9487, 49.6950



0.9477, 0.4260, 4.8456

Previews

White Background



This preview shows how the XYZ color 87.7504, 96.0646, 73.5919 looks on a white background.

Color Contrast Check

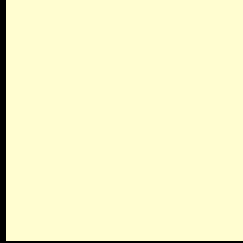
Large Text (above 18pt) WCAG AA × Fail

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 87.7504, 96.0646, 73.5919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

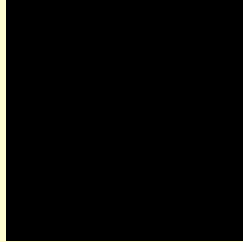
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.7504, 96.0646, 73.5919

Background



This preview shows how black text looks on a background with the XYZ color 87.7504, 96.0646, 73.5919.



This preview shows how white text looks on a background with the XYZ color 87.7504, 96.0646,

73.5919.

Color Blindness Simulation

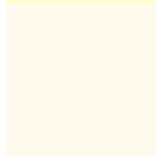
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

87.7504, 96.0646, 73.5919



Protanopia

90.8582, 95.8043, 94.5922



Deuteranopia

92.2141, 96.3466, 101.7322

Tritanopia

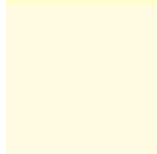
92.7987, 96.0422, 108.2547

Trichromacy



Original Color

87.7504, 96.0646, 73.5919



Protanomaly

89.6023, 95.8004, 86.4418



Deuteranomaly

90.4452, 96.1376, 90.8802

Tritanomaly

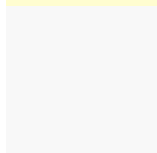
90.4913, 95.6151, 94.5751

Monochromacy



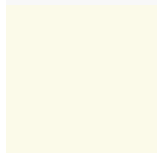
Original Color

87.7504, 96.0646, 73.5919



Achromatopsia

89.2221, 93.8686, 102.2229



Achromatomaly

88.6772, 94.7636, 90.7082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.7504, 96.0646, 73.5919 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 208) }
```

Border

The CSS property to change the border of an element to XYZ 87.7504, 96.0646, 73.5919 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, 208) }
```


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

```
.border{ border-color:rgb(255, 253, 208) }
```

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, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 87.7504, 96.0646, 73.5919 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, 208) }
```

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

```
.background{ background-color: rgb(255,  
253, 208) }
```

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