

Converting Colors

XYZ(101.9005, 100.0000,
84.7260)

Have a look what the booklet for
XYZ(101.9005, 100.0000, 84.7260)
contains.

XYZ(87.6503, 92.5534, 83.7659)	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(87.6503, 92.5534,
83.7659)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF6E0
RGB	255, 246, 224
RGB Percent	100%, 96%, 88%
CMY	0.0000, 0.0353, 0.1216
CMYK	0.00, 0.04, 0.12, 0.00
HSL	43°, 100%, 94%
HSV	43°, 12%, 100%
XYZ	87.6503, 92.5534, 83.7659
YIQ	246.1830, 12.4260, -4.9340

Conversions

Conversions Part 2

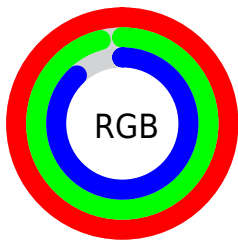
Format	Color
R _Y B	237, 255, 224
Decimal	16774880
CIE Lab	97.05, -0.59, 11.65
CIE LCh	97, 11.663, 92.898
Yxy	92.5534, 0.3320, 0.3506
Android (android.graphics.Color)	4294964960 (0xFFFFF6E0)
YUV	246.1830, -10.9362, 7.7325
Hunter-Lab	96.2047, -5.7301, 15.7192

Details

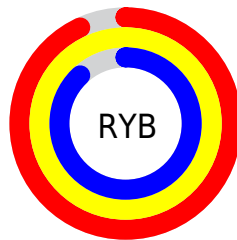
The XYZ color **87.6503, 92.5534, 83.7659** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.9287, 81.3428, 106.2012**, and the grayscale version is **87.8261, 92.3999, 100.6235**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.8636, 51.6973, 44.9393** is the 20% darker color. If you saturate the color by 10%, you get **82.2429, 86.8641, 66.1618**, and if you desaturate by 10%, it is **93.6705, 98.6373, 104.1354**.

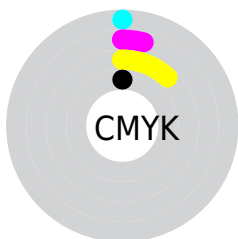
Distribution



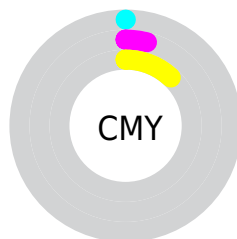
- Red (100%)
- Green (96%)
- Blue (88%)



- Red (93%)
- Yellow (100%)
- Blue (88%)



- Cyan (0%)
- Magenta (4%)
- Yellow (12%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.6503, 92.5534, 83.7659 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 87.6503, 92.5534, 83.7659 by changing the saturation by 10% instead.


 87.6503, 92.5534,
83.7659

 87.6503, 92.5534,
83.7659


508.7099,
536.3024, 527.5732

 66.3633, 70.1004,
62.2779

142.9652,
150.8802, 140.5065

 48.8362, 51.6084,
44.8201


177.7239,
187.5227, 176.5961

 34.7036, 36.6930,
30.9738


217.7038,
229.6638, 218.3901

 23.6001, 24.9699,
20.3206

263.2704,
277.6879, 266.3069

 15.1603, 16.0546,
12.4419

314.7889,
331.9795, 320.7650

 9.0190, 9.5628,
6.9192

372.6247,

 4.8108, 5.1101,

392.9228, 382.1831

3.3339

437.1433,
460.9023, 450.9797

■ 2.1703, 2.3120,
1.2676

■ 0.7270, 0.7800,
0.0350

■ 87.6503, 92.5534,
83.7659

■ 87.6503, 92.5534,
83.7659

■ 82.2429, 86.8641,
66.1618

■ 93.6705, 98.6373,
104.1354

■ 77.4176, 81.5463,
51.1958

95.0500, 100.0000,
108.9000

■ 73.1508, 76.5921,
38.7390

■ 69.4147, 71.9886,
28.6496

■ 66.1784, 67.7217,
20.7715

■ 63.4078, 63.7759,
14.9296

■ 61.0635, 60.1337,
10.9221

■ 59.0982, 56.7743,
8.5056

■ 57.7670, 54.3141,
7.4390

Harmonies

Analogous

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



90.8785, 92.5534, 85.5136



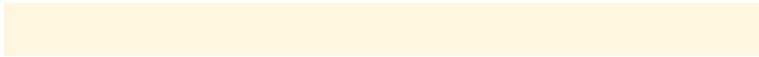
87.6503, 92.5534, 83.7659



84.5828, 92.5534, 86.3359

Triad

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



87.6503, 92.5534, 83.7659



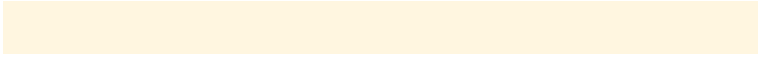
82.7714, 92.5534, 110.9233



93.7129, 92.5534, 109.2433

Complementary

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



87.6503, 92.5534, 83.7659



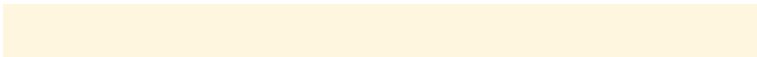
77.9287, 81.3428, 106.2012

Split Complementary

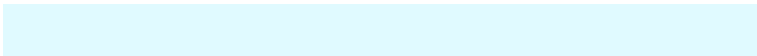
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.4448, 92.5534, 116.7403



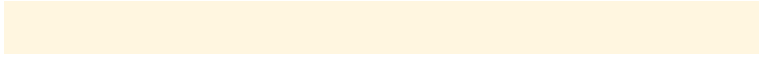
87.6503, 92.5534, 83.7659



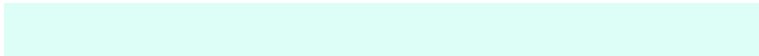
85.1228, 92.5534, 117.7519

Square

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



87.6503, 92.5534, 83.7659



81.8103, 92.5534, 101.6922



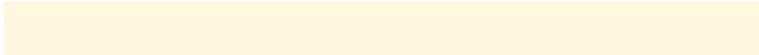
88.2889, 92.5534, 119.9434



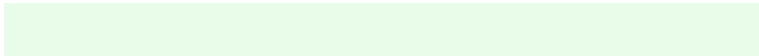
94.4298, 92.5534, 99.8632

Rectangle

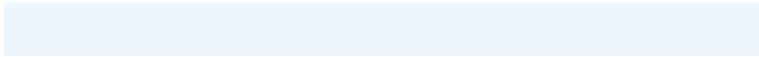
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.6503, 92.5534, 83.7659



83.0269, 92.5534, 90.2513



88.2889, 92.5534, 119.9434



93.1039, 92.5534, 112.0864

Sweetspot

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



87.6525, 92.5573, 83.7679



92.5141, 97.4867, 100.1670



82.6472, 80.4727, 88.4934



19.7021, 20.7665, 21.0993



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

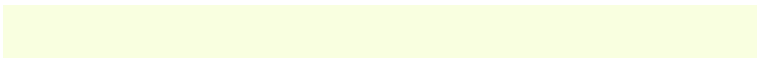
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6525, 92.5573, 83.7679



86.0532, 90.8994, 78.4851



88.2106, 97.0050, 84.5969



19.0899, 20.1480, 19.0271



30.3194, 28.6501, 3.9320



3.0462, 2.9778, 0.4142

Inverse Universe

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



77.9287, 81.3428, 106.2012



74.2925, 77.3365, 105.6195



77.4040, 77.3886, 105.4656



17.4323, 18.2362, 22.8511



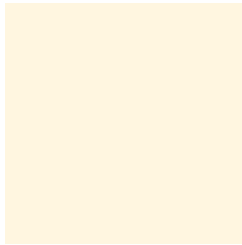
10.8210, 6.5516, 50.1288



1.1427, 0.8162, 4.9106

Previews

White Background



This preview shows how the XYZ color 87.6503, 92.5534, 83.7659 looks on a white background.

Color Contrast Check

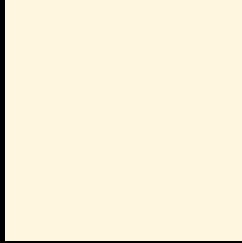
Large Text (above 18pt) WCAG AA × Fail

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 87.6503, 92.5534, 83.7659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

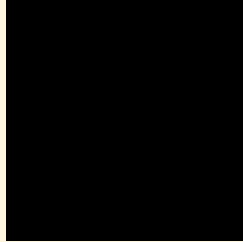
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.6503, 92.5534, 83.7659

Background



This preview shows how black text looks on a background with the XYZ color 87.6503, 92.5534, 83.7659.



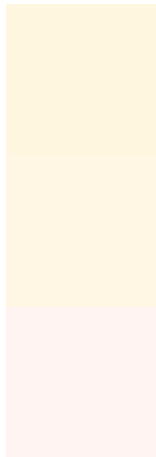
This preview shows how white text looks on a background with the XYZ color 87.6503, 92.5534,

83.7659.

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

87.6503, 92.5534, 83.7659

Protanopia

88.0609, 92.7176, 85.9280

Deuteranopia

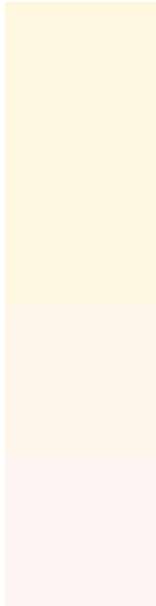
89.4679, 92.3122, 96.3217



Tritanopia

91.3406, 92.5812, 107.6635

Trichromacy



Original Color

87.6503, 92.5534, 83.7659

Protanomaly

87.9232, 92.6625, 85.2031

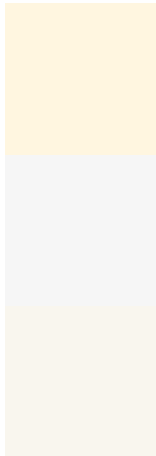
Deuteranomaly

88.8878, 92.5630, 91.7788

Tritanomaly

89.9198, 92.4930, 98.7016

Monochromacy



Original Color

87.6503, 92.5534, 83.7659

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

87.4553, 92.2243, 94.0806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.6503, 92.5534, 83.7659 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, 246, 224) looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 224)  
}
```

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, 246, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 224) }
```

Border

The CSS property to change the border of an element to XYZ 87.6503, 92.5534, 83.7659 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, 246, 224) }
```


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

```
.border{ border-color:rgb(255, 246, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 87.6503, 92.5534, 83.7659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 224) }
```

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

```
.background{ background-color: rgb(255,  
246, 224) }
```

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