

Converting Colors

XYZ(98.4807, 100.0000,
63.4354)

Have a look what the booklet for
XYZ(98.4807, 100.0000, 63.4354)
contains.

XYZ(84.5197, 92.7730, 62.7425)	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(84.5197, 92.7730,
62.7425)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF9BF
RGB	255, 249, 191
RGB Percent	100%, 98%, 75%
CMY	0.0000, 0.0235, 0.2510
CMYK	0.00, 0.02, 0.25, 0.00
HSL	54°, 100%, 87%
HSV	54°, 25%, 100%
XYZ	84.5197, 92.7730, 62.7425
YIQ	244.1820, 22.1940, -16.7660

Conversions

Conversions Part 2

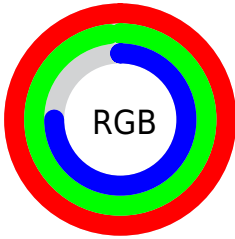
Format	Color
R _Y B	198, 255, 191
Decimal	16775615
CIE Lab	97.14, -6.84, 28.63
CIE LCh	97, 29.437, 103.435
Yxy	92.7730, 0.3521, 0.3865
Android (android.graphics.Color)	4294965695 (0xFFFFF9BF)
YUV	244.1820, -26.2187, 9.4874
Hunter-Lab	96.3187, -11.9240, 28.8013

Details

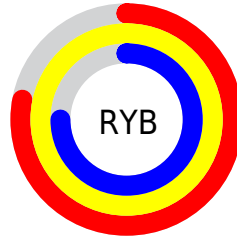
The XYZ color **84.5197, 92.7730, 62.7425** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **59.5017, 58.2272, 102.7106**, and the grayscale version is **86.3276, 90.8234, 98.9066**.

A 20% lighter version of the original color is **93.9433, 99.5573, 103.0721**, and **46.8740, 51.9518, 31.2241** is the 20% darker color. If you saturate the color by 10%, you get **81.2215, 90.2833, 48.9830**, and if you desaturate by 10%, it is **88.3203, 95.4851, 79.0821**.

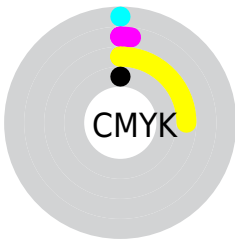
Distribution



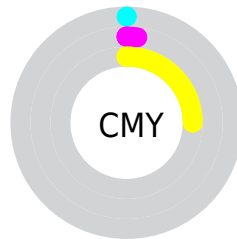
- Red (100%)
- Green (98%)
- Blue (75%)



- Red (78%)
- Yellow (100%)
- Blue (75%)



- Cyan (0%)
- Magenta (2%)
- Yellow (25%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.5197, 92.7730, 62.7425 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 84.5197, 92.7730, 62.7425 by changing the saturation by 10% instead.


 84.5197, 92.7730,
62.7425

 84.5197, 92.7730,
62.7425


498.5451,
537.0106, 452.7166

 63.7658, 70.2828,
45.1933


 138.6194,
151.1843, 110.3799

 46.7219, 51.7572,
31.2656


172.6959,
187.8742, 141.3052

 33.0229, 36.8115,
20.5410


211.9440,
230.0662, 177.5262

 22.3033, 25.0616,
12.6010

256.7289,
278.1446, 219.4615

 14.1978, 16.1230,
7.0269

307.4162,
332.4939, 267.5297

 8.3410, 9.6112,
3.4002

364.3710,

 4.3675, 5.1419,

393.4984, 322.1492

1.3024

427.9589,
461.5425, 383.7387

■ 1.9121, 2.3308,
0.0638

■ 0.5838, 0.7899,
0.0000

■ 84.5197, 92.7730,
62.7425

■ 84.5197, 92.7730,
62.7425

■ 81.2215, 90.2833,
48.9830

■ 88.3203, 95.4851,
79.0821

■ 78.3938, 87.9935,
37.6644

■ 92.6402, 98.4167,
98.1198

■ 76.0111, 85.8967,
28.6434

95.0500, 100.0000,
108.9000

■ 74.0429, 83.9805,
21.7591

■ 72.4546, 82.2311,
16.8300

■ 71.2060, 80.6323,
13.6445

■ 70.2477, 79.1642,
11.9419

■ 69.8492, 78.4784,
11.4664

Harmonies

Analogous

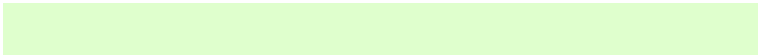
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.8095, 92.7730, 63.2145



84.5197, 92.7730, 62.7425



77.6485, 92.7730, 71.3112

Triad

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



84.5197, 92.7730, 62.7425



77.0831, 92.7730, 135.8315



104.3863, 92.7730, 114.6219

Complementary

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



84.5197, 92.7730, 62.7425



59.5017, 58.2272, 102.7106

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.



99.6186, 92.7730, 137.9953



84.5197, 92.7730, 62.7425



83.7031, 92.7730, 151.4947

Square

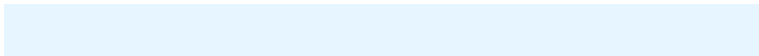
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.5197, 92.7730, 62.7425



73.5405, 92.7730, 112.0162



91.9403, 92.7730, 152.3436



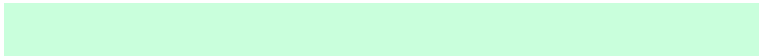
104.6392, 92.7730, 90.7569

Rectangle

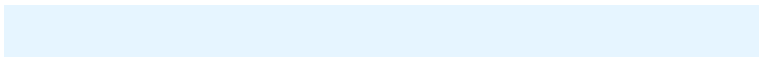
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.5197, 92.7730, 62.7425



74.6526, 92.7730, 81.9109



91.9403, 92.7730, 152.3436



103.2456, 92.7730, 122.8779

Sweetspot

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



84.5219, 92.7771, 62.7444



91.3312, 97.5421, 92.3085



69.9955, 62.5722, 61.4536



19.4072, 20.7826, 19.1329



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

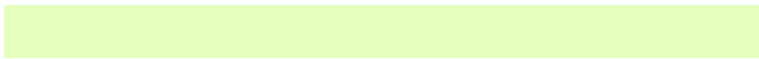
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5219, 92.7771, 62.7444



82.8431, 91.5283, 55.6836



77.6054, 92.0057, 62.9601



19.4072, 20.7826, 19.1329



36.5575, 41.1262, 6.0114



3.6001, 4.0856, 0.5988

Inverse Universe

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



59.5017, 58.2272, 102.7106



54.0133, 51.7208, 101.7440



65.1782, 59.1732, 102.5941



17.1398, 17.6512, 22.7536



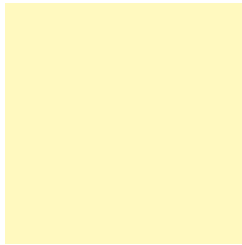
9.6464, 4.2023, 49.7373



0.9831, 0.4969, 4.8574

Previews

White Background



This preview shows how the XYZ color 84.5197, 92.7730, 62.7425 looks on a white background.

Color Contrast Check

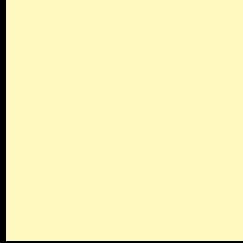
Large Text (above 18pt) WCAG AA × Fail

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 84.5197, 92.7730, 62.7425 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 84.5197, 92.7730, 62.7425

Background



This preview shows how black text looks on a background with the XYZ color 84.5197, 92.7730, 62.7425.



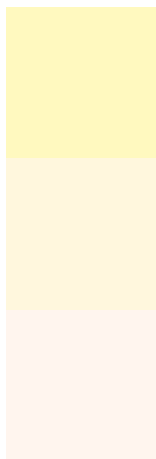
This preview shows how white text looks on a background with the XYZ color 84.5197, 92.7730,

62.7425.

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

84.5197, 92.7730, 62.7425

Protanopia

87.5519, 93.0020, 81.7433

Deuteranopia

89.3250, 92.7379, 94.0812



Tritanopia

91.3203, 93.0532, 106.0765

Trichromacy



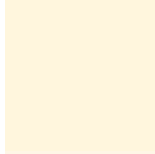
Original Color

84.5197, 92.7730, 62.7425



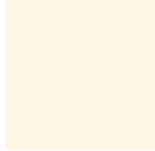
Protanomaly

86.4403, 93.0479, 74.3769



Deuteranomaly

87.2469, 92.3920, 81.6416



Tritanomaly

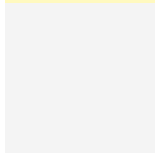
88.4787, 92.8847, 88.1281

Monochromacy



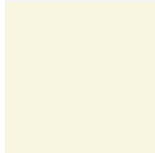
Original Color

84.5197, 92.7730, 62.7425



Achromatopsia

85.9880, 90.4661, 98.5176



Achromatomaly

85.2578, 91.3042, 84.3641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.5197, 92.7730, 62.7425 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, 249, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 191)  
}
```

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, 249, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 191) }
```

Border

The CSS property to change the border of an element to XYZ 84.5197, 92.7730, 62.7425 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, 249, 191) }
```


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

```
.border{ border-color:rgb(255, 249, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 84.5197, 92.7730, 62.7425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 191) }
```

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

```
.background{ background-color: rgb(255,  
249, 191) }
```

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