

Converting Colors

XYZ(98.1581, 100.0000,
64.1602)

Have a look what the booklet for
XYZ(98.1581, 100.0000, 64.1602)
contains.

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Color

**XYZ(84.6301, 92.8171,
63.3242)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF9C0
RGB	255, 249, 192
RGB Percent	100%, 98%, 75%
CMY	0.0000, 0.0235, 0.2471
CMYK	0.00, 0.02, 0.25, 0.00
HSL	54°, 100%, 88%
HSV	54°, 25%, 100%
XYZ	84.6301, 92.8171, 63.3242
YIQ	244.2960, 21.8730, -16.4550

Conversions

Conversions Part 2

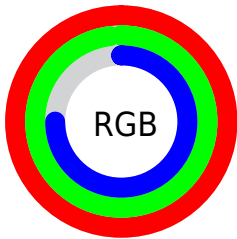
Format	Color
R_{YB}	199, 255, 192
Decimal	16775616
CIE _{Lab}	97.15, -6.71, 28.15
CIE _{LCh}	97, 28.938, 103.402
Yxy	92.8171, 0.3515, 0.3855
Android (android.graphics.Color)	4294965696 (0xFFFFF9C0)
YUV	244.2960, -25.7819, 9.3874
Hunter-Lab	96.3416, -11.7968, 28.4685

Details

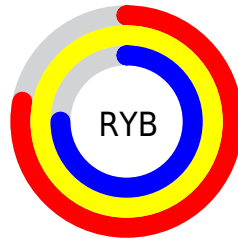
The XYZ color **84.6301, 92.8171, 63.3242** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.9819, 58.8130, 102.7984**, and the grayscale version is **86.4158, 90.9161, 99.0077**.

A 20% lighter version of the original color is **94.0989, 99.6196, 103.8915**, and **46.9461, 51.9807, 31.6037** is the 20% darker color. If you saturate the color by 10%, you get **81.3017, 90.2968, 49.4624**, and if you desaturate by 10%, it is **88.4623, 95.5608, 79.7713**.

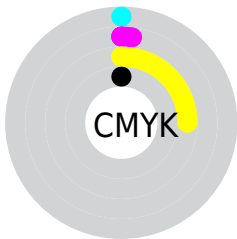
Distribution



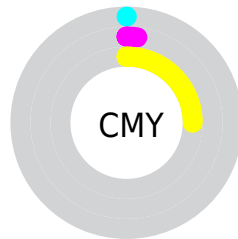
- Red (100%)
- Green (98%)
- Blue (75%)



- 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 84.6301, 92.8171, 63.3242 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 84.6301, 92.8171, 63.3242 by changing the saturation by 10% instead.


 84.6301, 92.8171,
63.3242

 84.6301, 92.8171,
63.3242


498.9054,
537.1528, 454.8854

 63.8573, 70.3195,
45.6609


 138.7730,
151.2454, 111.2272

 46.7963, 51.7870,
31.6315


172.8737,
187.9448, 142.3039

 33.0819, 36.8354,
20.8177


212.1477,
230.1470, 178.6888

 22.3488, 25.0800,
12.8009

256.9605,
278.2363, 220.8005

 14.2314, 16.1367,
7.1625

307.6772,
332.5972, 269.0574

 8.3646, 9.6209,
3.4839

364.6634,

 4.3829, 5.1484,

393.6139, 323.8782

1.3467

428.2844,
461.6710, 385.6814

■ 1.9209, 2.3346,
0.0996

■ 0.5890, 0.7919,
0.0000

■ 84.6301, 92.8171,
63.3242

■ 84.6301, 92.8171,
63.3242

■ 81.3017, 90.2968,
49.4624

■ 88.4623, 95.5608,
79.7713

■ 78.4450, 87.9774,
38.0470

■ 92.8149, 98.5251,
98.9212

■ 76.0348, 85.8520,
28.9352

95.0500, 100.0000,
108.9000

■ 74.0406, 83.9083,
21.9669

■ 72.4281, 82.1325,
16.9615

■ 71.1573, 80.5087,
13.7090

■ 70.1793, 79.0170,
11.9509

■ 69.7430, 78.2660,
11.4310

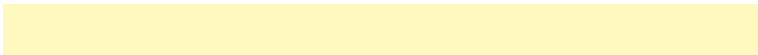
Harmonies

Analogous

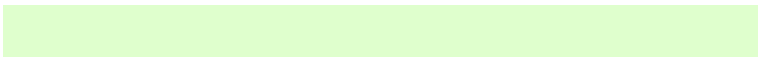
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.7818, 92.8171, 63.8007



84.6301, 92.8171, 63.3242



77.8643, 92.8171, 71.7830

Triad

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



84.6301, 92.8171, 63.3242



77.2959, 92.8171, 135.2185



104.1400, 92.8171, 114.4602

Complementary

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



84.6301, 92.8171, 63.3242



59.9819, 58.8130, 102.7984

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.



99.4552, 92.8171, 137.3834



84.6301, 92.8171, 63.3242



83.8100, 92.8171, 150.5757

Square

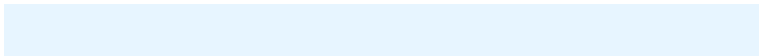
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.6301, 92.8171, 63.3242



73.8095, 92.8171, 111.8480



91.9097, 92.8171, 151.4241



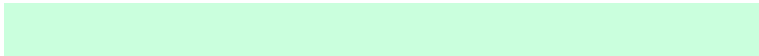
104.3934, 92.8171, 90.9928

Rectangle

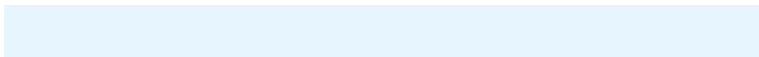
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.6301, 92.8171, 63.3242



74.9108, 92.8171, 82.2349



91.9097, 92.8171, 151.4241



103.0187, 92.8171, 122.5635

Sweetspot

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



84.6323, 92.8212, 63.3262



91.7686, 97.8244, 94.2810



70.3181, 63.0514, 62.0729



19.5844, 20.8994, 19.9240



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

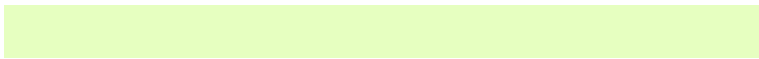
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6323, 92.8212, 63.3262



82.8081, 91.4583, 55.6719



77.8439, 92.1159, 63.5478



19.4048, 20.7778, 19.1321



36.5028, 41.0168, 5.9931



3.5953, 4.0761, 0.5973

Inverse Universe

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



59.9819, 58.8130, 102.7984



54.0373, 51.7687, 101.7520



65.5753, 59.7028, 102.6754



17.1420, 17.6556, 22.7543



9.6510, 4.2116, 49.7388



0.9841, 0.4990, 4.8577

Previews

White Background



This preview shows how the XYZ color 84.6301, 92.8171, 63.3242 looks on a white background.

Color Contrast Check

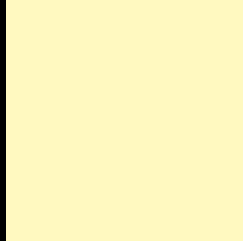
Large Text (above 18pt) WCAG AA × Fail

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 84.6301, 92.8171, 63.3242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

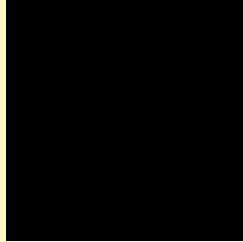
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.6301, 92.8171, 63.3242

Background



This preview shows how black text looks on a background with the XYZ color 84.6301, 92.8171, 63.3242.



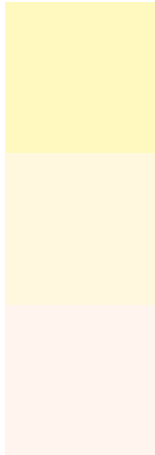
This preview shows how white text looks on a background with the XYZ color 84.6301, 92.8171,

63.3242.

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

84.6301, 92.8171, 63.3242

Protanopia

87.6856, 93.0555, 82.4472

Deuteranopia

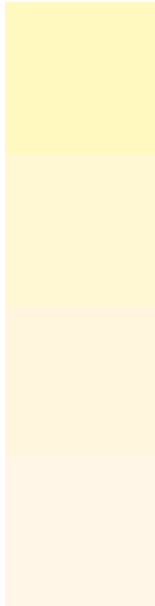
89.3250, 92.7379, 94.0812



Tritanopia

91.3203, 93.0532, 106.0765

Trichromacy



Original Color

84.6301, 92.8171, 63.3242

Protanomaly

86.5653, 93.0980, 75.0352

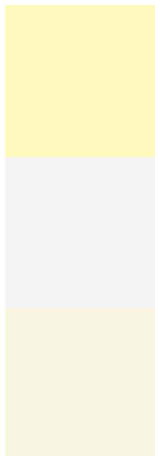
Deuteranomaly

87.2469, 92.3920, 81.6416

Tritanomaly

88.6196, 92.9411, 88.8700

Monochromacy



Original Color

84.6301, 92.8171, 63.3242

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 84.6301, 92.8171, 63.3242 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, 192)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 192)  
}
```

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, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 192) }
```

Border

The CSS property to change the border of an element to XYZ 84.6301, 92.8171, 63.3242 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, 192) }
```


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

```
.border{ border-color:rgb(255, 249, 192) }
```

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, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 192);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 84.6301, 92.8171, 63.3242 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, 192) }
```

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

```
.background{ background-color: rgb(255,  
249, 192) }
```

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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