

Converting Colors

XYZ(84.6737, 92.3660, 64.9985)

Have a look what the booklet for
XYZ(84.6737, 92.3660, 64.9985)
contains.

XYZ(84.6577, 92.3349, 64.9902)	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(84.6577, 92.3349,
64.9902)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF8C3
RGB	255, 248, 195
RGB Percent	100%, 97%, 76%
CMY	0.0000, 0.0274, 0.2353
CMYK	0.00, 0.03, 0.24, 0.00
HSL	53°, 100%, 88%
HSV	53°, 24%, 100%
XYZ	84.6577, 92.3349, 64.9902
YIQ	244.0510, 21.1850, -14.9990

Conversions

Conversions Part 2

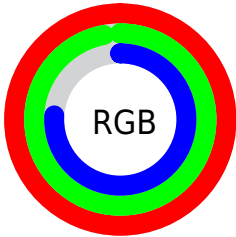
Format	Color
R_{YB}	203, 255, 195
Decimal	16775363
CIE _{Lab}	96.96, -5.81, 26.36
CIE _{LCh}	97, 26.992, 102.428
Yxy	92.3349, 0.3499, 0.3816
Android (android.graphics.Color)	4294965443 (0xFFFFF8C3)
YUV	244.0510, -24.1821, 9.6023
Hunter-Lab	96.0911, -10.8981, 27.1635

Details

The XYZ color **84.6577, 92.3349, 64.9902** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **61.6757, 61.0614, 103.1431**, and the grayscale version is **86.2073, 90.6968, 98.7689**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **46.9461, 51.6281, 32.6902** is the 20% darker color. If you saturate the color by 10%, you get **81.1114, 89.4688, 50.7779**, and if you desaturate by 10%, it is **88.7154, 95.4350, 81.8043**.

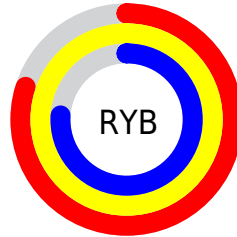
Distribution



Red (100%)

Green (97%)

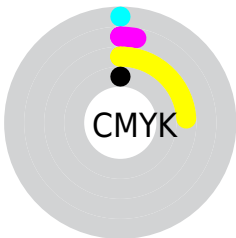
Blue (76%)



Red (80%)

Yellow (100%)

Blue (76%)

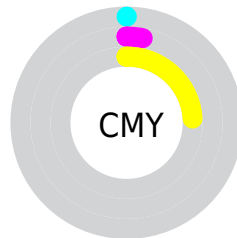


Cyan (0%)

Magenta (3%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (3%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.6577, 92.3349, 64.9902 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 84.6577, 92.3349, 64.9902 by changing the saturation by 10% instead.


 84.6577, 92.3349,
64.9902

 84.6577, 92.3349,
64.9902


498.9955,
535.5973, 461.0620

 63.8801, 69.9188,
47.0018


138.8113,
150.5775, 113.6489

 46.8149, 51.4604,
32.6828


172.9181,
187.1728, 145.1563

 33.0967, 36.5751,
21.6144


212.1986,
229.2632, 182.0072

 22.3601, 24.8787,
13.3782

257.0183,
277.2333, 224.6200

 14.2398, 15.9867,
7.5557

307.7425,
331.4673, 273.4134

 8.3705, 9.5147,
3.7283

364.7365,

 4.3867, 5.0784,

392.3497, 328.8058

1.4775

428.3657,
460.2649, 391.2158

■ 1.9231, 2.2934,
0.2011

■ 0.5902, 0.7702,
0.0000

■ 84.6577, 92.3349,
64.9902

■ 84.6577, 92.3349,
64.9902

■ 81.1114, 89.4688,
50.7779

■ 88.7154, 95.4350,
81.8043

■ 78.0447, 86.8146,
39.0299

■ 93.3012, 98.7666,
101.3368

■ 75.4326, 84.3652,
29.6048

95.0500, 100.0000,
108.9000

■ 73.2450, 82.1085,
22.3445

■ 71.4481, 80.0309,
17.0713

■ 70.0027, 78.1166,
13.5792

■ 68.8610, 76.3464,
11.6171

■ 68.2399, 75.2598,
10.9300

Harmonies

Analogous

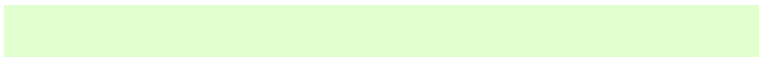
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.2425, 92.3349, 65.7190



84.6577, 92.3349, 64.9902



78.2778, 92.3349, 72.7304

Triad

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



84.6577, 92.3349, 64.9902



77.4225, 92.3349, 131.4586



102.4250, 92.3349, 113.6931

Complementary

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



84.6577, 92.3349, 64.9902



61.6757, 61.0614, 103.1431

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.



97.9819, 92.3349, 134.6569



84.6577, 92.3349, 64.9902



83.4282, 92.3349, 145.8862

Square

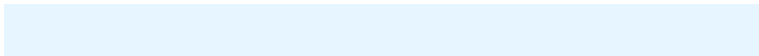
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.6577, 92.3349, 64.9902



74.2652, 92.3349, 109.8041



90.9404, 92.3349, 147.1345



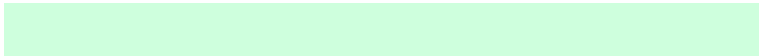
102.8014, 92.3349, 91.8066

Rectangle

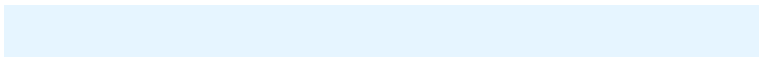
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.6577, 92.3349, 64.9902



75.4485, 92.3349, 82.4027



90.9404, 92.3349, 147.1345



101.3462, 92.3349, 121.1539

Sweetspot

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



84.6599, 92.3389, 64.9921



91.6478, 97.5828, 94.2407



71.4165, 64.5555, 64.5747



19.5563, 20.8433, 19.9147



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

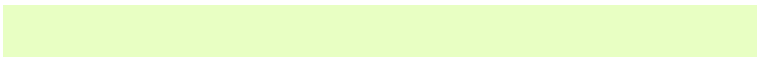
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6599, 92.3389, 64.9921



83.0120, 91.0283, 58.3229



78.8895, 92.6162, 65.3498



19.3698, 20.7078, 19.1204



35.7288, 39.4688, 5.7351



3.5278, 3.9410, 0.5748

Inverse Universe

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



61.6757, 61.0614, 103.1431



56.5541, 55.0264, 102.2482



66.4794, 61.1568, 102.9083



17.1735, 17.7186, 22.7648



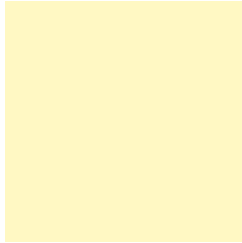
9.7241, 4.3577, 49.7632



0.9990, 0.5286, 4.8627

Previews

White Background



This preview shows how the XYZ color 84.6577, 92.3349, 64.9902 looks on a white background.

Color Contrast Check

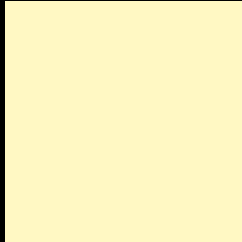
Large Text (above 18pt) WCAG AA × Fail

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 84.6577, 92.3349, 64.9902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

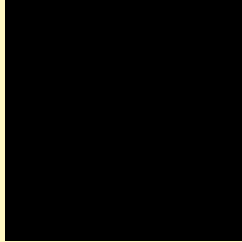
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.6577, 92.3349, 64.9902

Background



This preview shows how black text looks on a background with the XYZ color 84.6577, 92.3349, 64.9902.

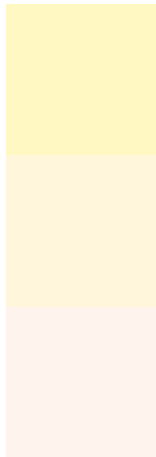


This preview shows how white text looks on a background with the XYZ color 84.6577, 92.3349, 64.9902.

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

84.6577, 92.3349, 64.9902

Protanopia

87.1140, 92.3388, 80.9419

Deuteranopia

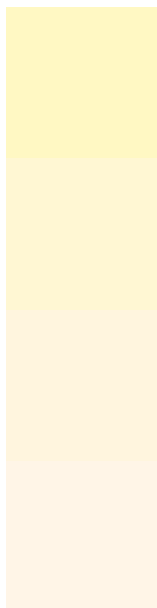
88.8767, 92.0758, 93.2089



Tritanopia

90.8613, 92.3895, 105.1395

Trichromacy



Original Color

84.6577, 92.3349, 64.9902

Protanomaly

86.2586, 92.4847, 74.9330

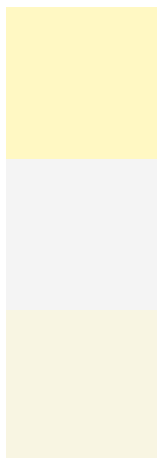
Deuteranomaly

87.0772, 91.8387, 82.2444

Tritanomaly

88.3162, 92.3343, 88.7689

Monochromacy



Original Color

84.6577, 92.3349, 64.9902

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.0913, 90.7523, 84.9837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.6577, 92.3349, 64.9902 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, 248, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 195)  
}
```

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, 248, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 195) }
```

Border

The CSS property to change the border of an element to XYZ 84.6577, 92.3349, 64.9902 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, 248, 195) }
```


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

```
.border{ border-color:rgb(255, 248, 195) }
```

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

Here you see how a box with a 4 pixel rgb(255, 248, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 84.6577, 92.3349, 64.9902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 195) }
```

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

```
.background{ background-color: rgb(255,  
248, 195) }
```

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