

Converting Colors

XYZ(83.3521, 90.4375, 62.3543)

Have a look what the booklet for
XYZ(83.3521, 90.4375, 62.3543)
contains.

XYZ(83.2964, 90.3264, 62.3348)	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(83.2964, 90.3264,
62.3348)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF5BF
RGB	255, 245, 191
RGB Percent	100%, 96%, 75%
CMY	0.0000, 0.0392, 0.2510
CMYK	0.00, 0.04, 0.25, 0.00
HSL	51°, 100%, 87%
HSV	51°, 25%, 100%
XYZ	83.2964, 90.3264, 62.3348
YIQ	241.8340, 23.2940, -14.6740

Conversions

Conversions Part 2

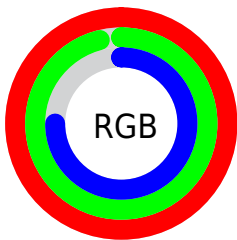
Format	Color
R _Y B	203, 255, 191
Decimal	16774591
CIE Lab	96.13, -4.85, 27.26
CIE LCh	96, 27.690, 100.078
Yxy	90.3264, 0.3530, 0.3828
Android (android.graphics.Color)	4294964671 (0xFFFFF5BF)
YUV	241.8340, -25.0612, 11.5466
Hunter-Lab	95.0402, -9.8770, 27.6411

Details

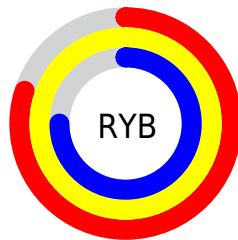
The XYZ color **83.2964, 90.3264, 62.3348** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **60.4221, 60.0680, 103.0174**, and the grayscale version is **84.4477, 88.8456, 96.7529**.

A 20% lighter version of the original color is **93.9433, 99.5573, 103.0721**, and **46.0017, 50.2071, 30.9333** is the 20% darker color. If you saturate the color by 10%, you get **79.5399, 86.9200, 48.4225**, and if you desaturate by 10%, it is **87.5718, 93.9881, 78.8327**.

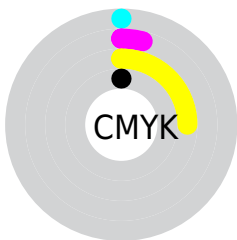
Distribution



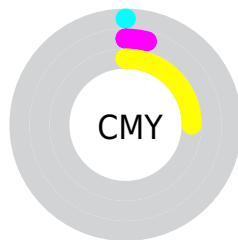
- Red (100%)
- Green (96%)
- Blue (75%)



- Red (80%)
- Yellow (100%)
- Blue (75%)



- Cyan (0%)
- Magenta (4%)
- Yellow (25%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.2964, 90.3264, 62.3348 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 83.2964, 90.3264, 62.3348 by changing the saturation by 10% instead.


 83.2964, 90.3264,
62.3348

 83.2964, 90.3264,
62.3348


494.5428,
529.0920, 451.1926

 62.7524, 68.2514,
44.8657


 136.9169,
147.7917, 109.7856

 45.8989, 50.1023,
31.0095


170.7241,
183.9508, 140.6043

 32.3703, 35.4947,
20.3476


209.6832,
225.5733, 176.7101

 21.8014, 24.0442,
12.4614

254.1593,
273.0437, 218.5214

 13.8268, 15.3664,
6.9324

304.5181,
326.7464, 266.4567

 8.0812, 9.0769,
3.3420

361.1246,

 4.1992, 4.7914,

387.0658, 320.9347

1.2718

424.3444,
454.3862, 382.3738

■ 1.8154, 2.1254,
0.0385

■ 0.5269, 0.6788,
0.0000

■ 83.2964, 90.3264,
62.3348

■ 83.2964, 90.3264,
62.3348

■ 79.5399, 86.9200,
48.4225

■ 87.5718, 93.9881,
78.8327

■ 76.2703, 83.7465,
36.9566

■ 92.3833, 97.9028,
98.0341

■ 73.4620, 80.7985,
27.7937

95.0500, 100.0000,
108.9000

■ 71.0843, 78.0634,
20.7729

■ 69.1026, 75.5272,
15.7127

■ 67.4766, 73.1734,
12.4014

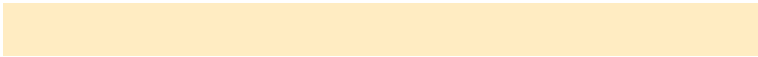
■ 66.1565, 70.9819,
10.5782

■ 65.5864, 69.9528,
10.0455

Harmonies

Analogous

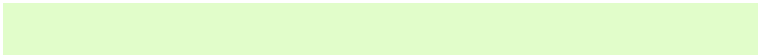
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9792, 90.3264, 63.7300



83.2964, 90.3264, 62.3348



76.6987, 90.3264, 69.4291

Triad

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



83.2964, 90.3264, 62.3348



75.0497, 90.3264, 128.1432



100.4856, 90.3264, 113.4638

Complementary

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



83.2964, 90.3264, 62.3348



60.4221, 60.0680, 103.0174

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.



95.7072, 90.3264, 134.3585



83.2964, 90.3264, 62.3348



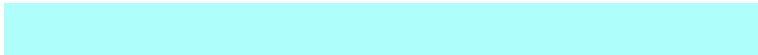
80.9221, 90.3264, 143.6697

Square

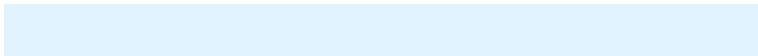
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2964, 90.3264, 62.3348



72.1287, 90.3264, 105.9314



88.4604, 90.3264, 146.0998



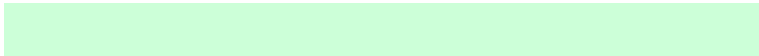
101.2153, 90.3264, 91.1394

Rectangle

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



83.2964, 90.3264, 62.3348



73.6884, 90.3264, 78.7405



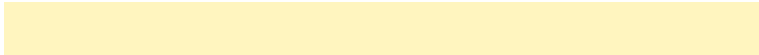
88.4604, 90.3264, 146.0998



99.2867, 90.3264, 120.9718

Sweetspot

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



83.2986, 90.3304, 62.3367



90.9298, 96.7394, 92.1747



70.4927, 62.7711, 64.0722



19.3054, 20.5790, 19.0990



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

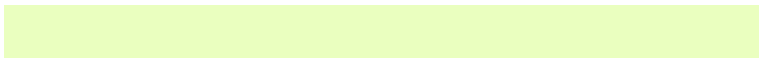
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2986, 90.3304, 62.3367



81.3930, 88.6280, 55.2002



78.9868, 92.7179, 63.0248



19.3054, 20.5790, 19.0990



34.3611, 36.7334, 5.2792



3.4078, 3.7009, 0.5347

Inverse Universe

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



60.4221, 60.0680, 103.0174



55.0352, 53.7646, 102.0847



63.9293, 58.5294, 102.5356



17.2320, 17.8356, 22.7843



9.8924, 4.6943, 49.8193



1.0264, 0.5834, 4.8718

Previews

White Background



This preview shows how the XYZ color 83.2964, 90.3264, 62.3348 looks on a white background.

Color Contrast Check

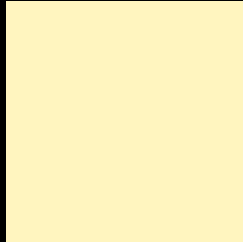
Large Text (above 18pt) WCAG AA × Fail

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 83.2964, 90.3264, 62.3348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

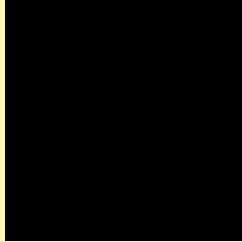
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.2964, 90.3264, 62.3348

Background



This preview shows how black text looks on a background with the XYZ color 83.2964, 90.3264, 62.3348.

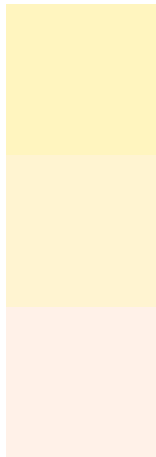


This preview shows how white text looks on a background with the XYZ color 83.2964, 90.3264,

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

83.2964, 90.3264, 62.3348

Protanopia

85.0993, 90.5648, 73.3171

Deuteranopia

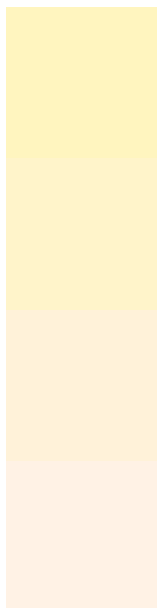
87.2608, 89.9968, 89.1159



Tritanopia

89.6554, 90.4823, 103.1820

Trichromacy



Original Color

83.2964, 90.3264, 62.3348

Protanomaly

84.2514, 90.2256, 68.8519

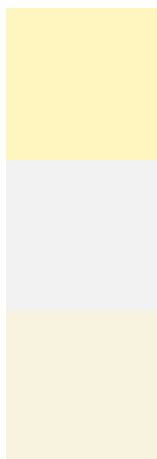
Deuteranomaly

85.5165, 89.7740, 78.4666

Tritanomaly

87.1350, 90.4214, 86.9893

Monochromacy



Original Color

83.2964, 90.3264, 62.3348

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.7276, 89.2031, 82.6170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.2964, 90.3264, 62.3348 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, 245, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 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, 245, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 191) }
```

Border

The CSS property to change the border of an element to XYZ 83.2964, 90.3264, 62.3348 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, 245, 191) }
```


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

```
.border{ border-color:rgb(255, 245, 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, 245, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 83.2964, 90.3264, 62.3348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 191) }
```

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

```
.background{ background-color: rgb(255,  
245, 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