

# Converting Colors

XYZ(85.7250, 92.3443, 77.8638)

Have a look what the booklet for  
XYZ(85.7250, 92.3443, 77.8638)  
contains.

<b>XYZ(85.6714, 92.1233, 77.5562)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(85.6714, 92.1233,  
77.5562)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FCF7D7
RGB	252, 247, 215
RGB Percent	99%, 97%, 84%
CMY	0.0118, 0.0313, 0.1569
CMYK	0.00, 0.02, 0.15, 0.01
HSL	52°, 86%, 92%
HSV	52°, 15%, 99%
XYZ	85.6714, 92.1233, 77.5562
YIQ	244.8470, 13.2520, -8.8920

# Conversions

## Conversions Part 2

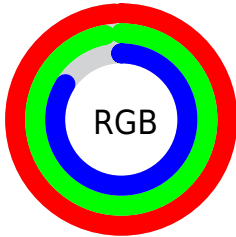
Format	Color
<a href="#">RYB</a>	<a href="#">221, 252, 215</a>
Decimal	<a href="#">16578519</a>
CIELab	<a href="#">96.87, -3.52, 15.99</a>
CIELCh	<a href="#">97, 16.374, 102.429</a>
Yxy	<a href="#">92.1233, 0.3355, 0.3608</a>
Android (android.graphics.Color)	<a href="#">4294768599 (0xFFFCF7D7)</a>
YUV	<a href="#">244.8470, -14.7146, 6.2732</a>
Hunter-Lab	<a href="#">95.9809, -8.6396, 19.2780</a>

# Details

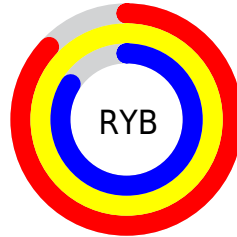
The XYZ color **85.6714, 92.1233, 77.5562** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.1880, 72.6603, 102.3690**, and the grayscale version is **86.7773, 91.2965, 99.4219**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4816, 51.4018, 40.6767** is the 20% darker color. If you saturate the color by 10%, you get **81.6496, 88.8682, 61.4516**, and if you desaturate by 10%, it is **90.2160, 95.6240, 96.2979**.

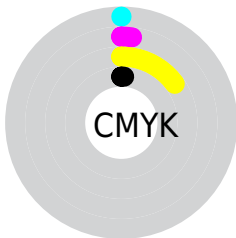
# Distribution



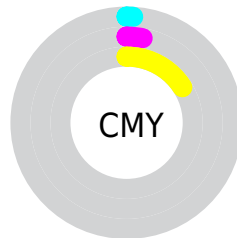
- Red (99%)
- Green (97%)
- Blue (84%)



- Red (87%)
- Yellow (99%)
- Blue (84%)



- Cyan (0%)
- Magenta (2%)
- Yellow (15%)
- Black (1%)




- Cyan (1%)
- Magenta (3%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.6714, 92.1233, 77.5562 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 85.6714, 92.1233, 77.5562 by changing the saturation by 10% instead.




 85.6714, 92.1233,  
77.5562

 85.6714, 92.1233,  
77.5562


502.2973,  
534.9139, 506.1463

 64.7206, 69.7430,  
57.1952


140.2200,  
150.2843, 131.7045

 47.4985, 51.3171,  
40.7516


174.5486,  
186.8338, 166.3289

 33.6395, 36.4610,  
27.8068


214.0672,  
228.8752, 206.5448

 22.7783, 24.7905,  
17.9423

259.1411,  
276.7928, 252.7707

 14.5497, 15.9210,  
10.7395

310.1357,  
330.9711, 305.4253

 8.5882, 9.4683,  
5.7800

367.4164,

 4.5285, 5.0479,

391.7945, 364.9271

2.6452

431.3485,  
459.6473, 431.6946

■ 2.0053, 2.2754,  
0.9156

■ 0.6369, 0.7606,  
0.0000

■ 85.6714, 92.1233,  
77.5562

■ 85.6714, 92.1233,  
77.5562

■ 81.6496, 88.8682,  
61.4516

■ 90.2160, 95.6240,  
96.2979

■ 78.1203, 85.8373,  
47.8584

■ 93.5767, 98.6786,  
108.7226

■ 75.0613, 83.0245,  
36.6495

■ 93.9552, 99.4356,  
108.8488

■ 72.4459, 80.4191,  
27.6840

■ 70.2444, 78.0089,  
20.8065

■ 68.4235, 75.7805,  
15.8417

■ 66.9442, 73.7183,  
12.5857

■ 65.7590, 71.8028,  
10.7879

■ 65.2121, 70.8294,  
10.2344

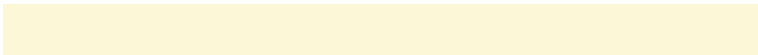
# Harmonies

## Analogous

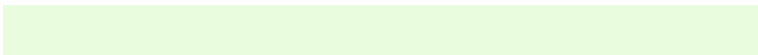
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2567, 92.1233, 78.0526



85.6714, 92.1233, 77.5562



81.7301, 92.1233, 82.7542

# Triad

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



85.6714, 92.1233, 77.5562



81.1955, 92.1233, 118.3773



96.2622, 92.1233, 108.1464

# Complementary

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



85.6714, 92.1233, 77.5562



71.1880, 72.6603, 102.3690

# Split Complementary

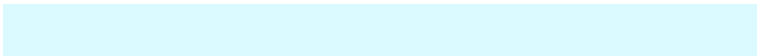
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.6617, 92.1233, 120.1805



85.6714, 92.1233, 77.5562



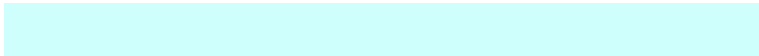
84.9184, 92.1233, 126.4332

# Square

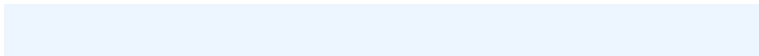
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6714, 92.1233, 77.5562



79.2073, 92.1233, 105.8553



89.4770, 92.1233, 127.1206



96.4811, 92.1233, 94.9553

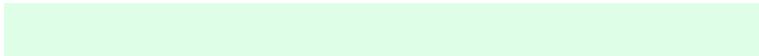


# Rectangle

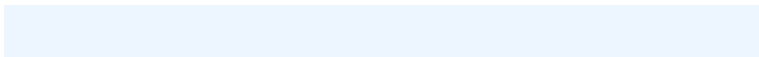
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.6714, 92.1233, 77.5562



79.9550, 92.1233, 89.0377



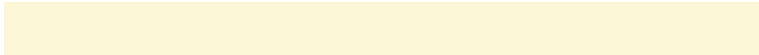
89.4770, 92.1233, 127.1206



95.6335, 92.1233, 112.4884

# Sweetspot

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



85.6739, 92.1274, 77.5582



93.0132, 98.4850, 100.3334



77.4376, 74.4941, 78.3913



19.8288, 21.0198, 21.1415



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

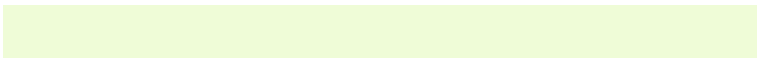
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6739, 92.1274, 77.5582



86.5761, 93.4986, 73.8705



82.6906, 92.8874, 77.8621



18.5158, 19.7676, 18.3020



34.0494, 37.0555, 5.3578



3.2071, 3.5391, 0.5141



# Inverse Universe

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



71.1880, 72.6603, 102.3690



68.7487, 69.5418, 104.4072



73.8513, 72.1163, 102.1236



16.4719, 17.0207, 21.8025



9.5106, 4.3768, 48.3171

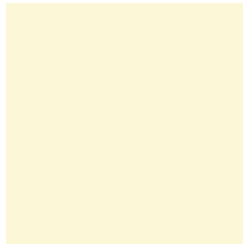


0.9374, 0.5184, 4.4938



# Previews

## White Background



This preview shows how the XYZ color 85.6714, 92.1233, 77.5562 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

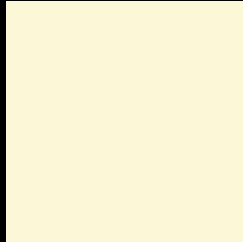
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.6714, 92.1233, 77.5562 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

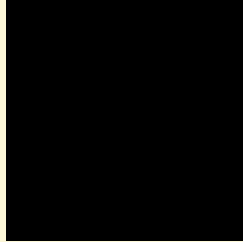
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 85.6714, 92.1233, 77.5562

## Background



This preview shows how black text looks on a background with the XYZ color 85.6714, 92.1233, 77.5562.



This preview shows how white text looks on a background with the XYZ color 85.6714, 92.1233,



# 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

85.6714, 92.1233, 77.5562

### Protanopia

87.0772, 91.8387, 82.2444

### Deuteranopia

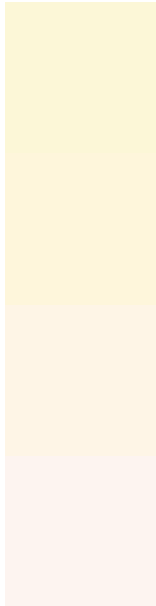
89.1707, 92.1934, 94.7567



## Tritanopia

90.6752, 91.7951, 107.5469

# Trichromacy



## Original Color

85.6714, 92.1233, 77.5562

## Protanomaly

86.6150, 92.0968, 80.2292

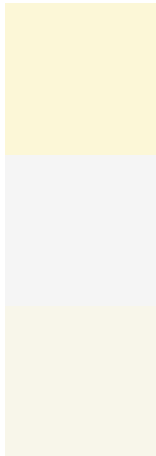
## Deuteranomaly

87.8084, 92.0888, 88.0098

## Tritanomaly

88.5869, 91.8753, 95.5027

# Monochromacy



## Original Color

85.6714, 92.1233, 77.5562

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

86.5184, 91.8085, 91.0027

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.6714, 92.1233, 77.5562 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(252, 247, 215)` looks like.

```
.text, #text, p{  
    color:rgb(252, 247, 215)  
}
```

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(252, 247, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 247, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 85.6714, 92.1233, 77.5562 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(252, 247, 215) }
```



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

```
.border{ border-color:rgb(252, 247, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 247, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 247, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 247, 215);  
box-shadow:4px 4px 4px 4px rgb(252, 247,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.6714, 92.1233, 77.5562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 247, 215) }
```

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

```
.background{ background-color: rgb(252,  
247, 215) }
```

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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