

Converting Colors

XYZ(100.2904, 100.0000,
69.8429)

Have a look what the booklet for
XYZ(100.2904, 100.0000, 69.8429)
contains.

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Color

**XYZ(85.1614, 92.0458,
69.1552)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF7CA
RGB	255, 247, 202
RGB Percent	100%, 97%, 79%
CMY	0.0000, 0.0313, 0.2078
CMYK	0.00, 0.03, 0.21, 0.00
HSL	51°, 100%, 90%
HSV	51°, 21%, 100%
XYZ	85.1614, 92.0458, 69.1552
YIQ	244.2620, 19.2130, -12.2990

Conversions

Conversions Part 2

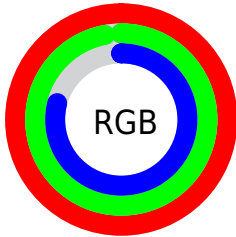
Format	Color
R _Y B	211, 255, 202
Decimal	16775114
CIE Lab	96.84, -4.35, 22.63
CIE LCh	97, 23.047, 100.874
Yxy	92.0458, 0.3457, 0.3736
Android (android.graphics.Color)	4294965194 (0xFFFFF7CA)
YUV	244.2620, -20.8352, 9.4172
Hunter-Lab	95.9405, -9.4507, 24.4213

Details

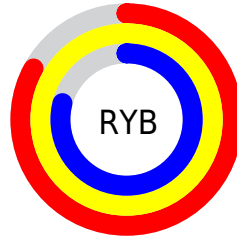
The XYZ color **85.1614, 92.0458, 69.1552** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.4532, 65.8678, 103.8718**, and the grayscale version is **86.3516, 90.8486, 98.9341**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.2648, 51.4055, 35.4481** is the 20% darker color. If you saturate the color by 10%, you get **81.2248, 88.6117, 54.1580**, and if you desaturate by 10%, it is **89.6257, 95.7361, 86.7920**.

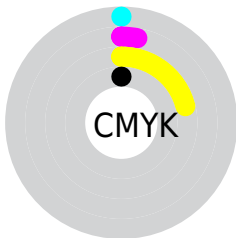
Distribution



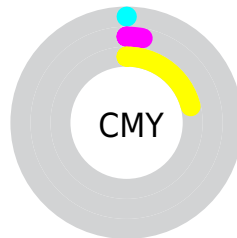
- Red (100%)
- Green (97%)
- Blue (79%)



- Red (83%)
- Yellow (100%)
- Blue (79%)



- Cyan (0%)
- Magenta (3%)
- Yellow (21%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.1614, 92.0458, 69.1552 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 85.1614, 92.0458, 69.1552 by changing the saturation by 10% instead.


 85.1614, 92.0458,
69.1552

 85.1614, 92.0458,
69.1552


500.6376,
534.6635, 476.2869

 64.2977, 69.6787,
50.3656

139.5115,
150.1769, 119.6730

 47.1544, 51.2646,
35.3307


173.7286,
186.7096, 152.2383

 33.3662, 36.4192,
23.6322


213.1276,
228.7330, 190.2325

 22.5677, 24.7582,
14.8513

258.0738,
276.6314, 234.0742

 14.3936, 15.8970,
8.5696

308.9325,
330.7893, 284.1820

 8.4784, 9.4513,
4.3686

366.0692,

 4.4569, 5.0367,

391.5910, 340.9743

1.8297

429.8491,
459.4210, 404.8698

■ 1.9638, 2.2688,
0.4474

■ 0.6135, 0.7571,
0.0000

■ 85.1614, 92.0458,
69.1552

■ 85.1614, 92.0458,
69.1552

■ 81.2248, 88.6117,
54.1580

■ 89.6257, 95.7361,
86.7920

■ 77.7846, 85.4116,
41.6654

94.6339, 99.6799,
107.1826

■ 74.8164, 82.4386,
31.5396

95.0500, 100.0000,
108.9000

■ 72.2907, 79.6808,
23.6269

■ 70.1748, 77.1248,
17.7555

■ 68.4312, 74.7553,
13.7285

■ 67.0149, 72.5542,
11.3095

■ 65.9342, 70.6483,
10.1614

Harmonies

Analogous

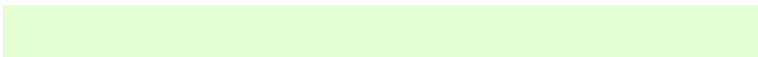
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.6252, 92.0458, 70.1961



85.1614, 92.0458, 69.1552



79.5979, 92.0458, 75.6302

Triad

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



85.1614, 92.0458, 69.1552



78.4157, 92.0458, 125.3845



99.7710, 92.0458, 112.3510

Complementary

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



85.1614, 92.0458, 69.1552



65.4532, 65.8678, 103.8718

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.



95.8804, 92.0458, 129.6392



85.1614, 92.0458, 69.1552



83.4749, 92.0458, 137.7813

Square

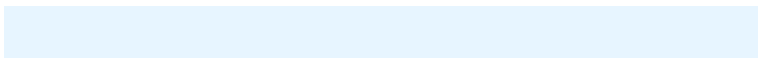
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.1614, 92.0458, 69.1552



75.8328, 92.0458, 107.0931



89.8541, 92.0458, 139.4278



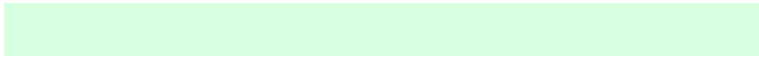
100.2774, 92.0458, 93.6517

Rectangle

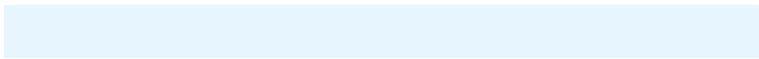
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.1614, 92.0458, 69.1552



77.0660, 92.0458, 83.8664



89.8541, 92.0458, 139.4278



98.8069, 92.0458, 118.5773

Sweetspot

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



85.1636, 92.0498, 69.1571



91.9519, 97.5899, 96.1950



74.0982, 68.1969, 70.7775



19.6119, 20.8333, 20.3068



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

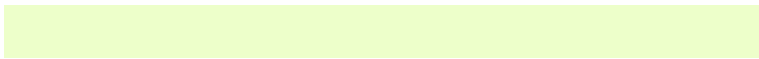
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1636, 92.0498, 69.1571



83.4404, 90.5704, 62.5186



81.4576, 93.8464, 69.6993



19.3141, 20.5963, 19.1019



34.5404, 37.0921, 5.3390



3.4236, 3.7325, 0.5400

Inverse Universe

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



65.4532, 65.8678, 103.8718



60.4540, 60.0393, 103.0102



68.5858, 64.6259, 103.4669



17.2241, 17.8198, 22.7817



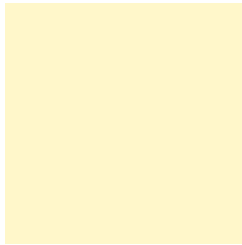
9.8671, 4.6438, 49.8109



1.0227, 0.5761, 4.8706

Previews

White Background



This preview shows how the XYZ color 85.1614, 92.0458, 69.1552 looks on a white background.

Color Contrast Check

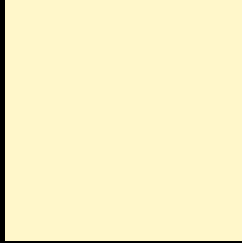
Large Text (above 18pt) WCAG AA × Fail

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 85.1614, 92.0458, 69.1552 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 85.1614, 92.0458, 69.1552

Background



This preview shows how black text looks on a background with the XYZ color 85.1614, 92.0458, 69.1552.



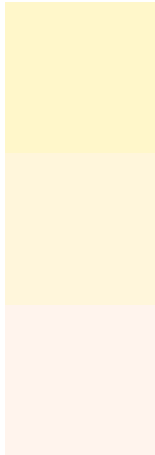
This preview shows how white text looks on a background with the XYZ color 85.1614, 92.0458,

69.1552.

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

85.1614, 92.0458, 69.1552

Protanopia

86.9820, 92.2860, 80.2464

Deuteranopia

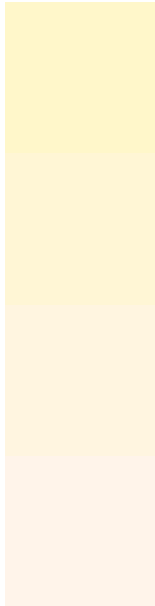
88.8767, 92.0758, 93.2089



Tritanopia

90.7218, 91.8561, 105.8770

Trichromacy



Original Color

85.1614, 92.0458, 69.1552

Protanomaly

86.2060, 91.9756, 76.1603

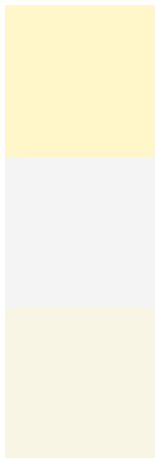
Deuteranomaly

87.3470, 91.9466, 83.6648

Tritanomaly

88.4420, 91.9019, 90.9193

Monochromacy



Original Color

85.1614, 92.0458, 69.1552

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.5067, 90.9184, 87.1711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.1614, 92.0458, 69.1552 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, 247, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 202)  
}
```

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, 247, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 202) }
```

Border

The CSS property to change the border of an element to XYZ 85.1614, 92.0458, 69.1552 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, 247, 202) }
```


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

```
.border{ border-color:rgb(255, 247, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 85.1614, 92.0458, 69.1552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 202) }
```

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

```
.background{ background-color: rgb(255,  
247, 202) }
```

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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