

# Converting Colors

XYZ(114.6759, 145.4390,  
66.3624)

Have a look what the booklet for  
XYZ(114.6759, 145.4390, 66.3624)  
contains.

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# Color

**XYZ(85.4435, 96.1574,  
58.3128)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFFB6
RGB	255, 255, 182
RGB Percent	100%, 100%, 71%
CMY	0.0000, 0.0000, 0.2863
CMYK	0.00, 0.00, 0.29, 0.00
HSL	60°, 100%, 86%
HSV	60°, 29%, 100%
XYZ	85.4435, 96.1574, 58.3128
YIQ	246.6780, 23.4330, -22.7030

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	182, 255, 182
Decimal	16777142
CIE <sub>Lab</sub>	98.49, -10.95, 34.99
CIE <sub>LCh</sub>	98, 36.662, 107.383
Yxy	96.1574, 0.3561, 0.4008
Android (android.graphics.Color)	4294967222 (0xFFFFFFFFB6)
<b>YUV</b>	246.6780, -31.8863, 7.2984
Hunter-Lab	98.0599, -16.0706, 33.3842

# Details

The XYZ color **85.4435, 96.1574, 58.3128** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **54.0704, 50.6222, 101.5290**, and the grayscale version is **88.3829, 92.9857, 101.2614**.

A 20% lighter version of the original color is **92.4326, 98.9530, 95.1170**, and **47.1163, 53.8170, 28.3265** is the 20% darker color. If you saturate the color by 10%, you get **83.0434, 95.1974, 45.6741**, and if you desaturate by 10%, it is **88.3240, 97.3096, 73.4815**.

# Distribution



- Red (100%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.4435, 96.1574, 58.3128 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 85.4435, 96.1574, 58.3128 by changing the saturation by 10% instead.




 85.4435, 96.1574,  
58.3128

 85.4435, 96.1574,  
58.3128


501.5560,  
547.8637, 435.9813

 64.5316, 73.0987,  
41.6438


 139.9035,  
155.8626, 103.8975

 47.3447, 54.0566,  
28.4990


174.1823,  
193.2779, 133.6503

 33.5173, 38.6469,  
18.4598


213.6475,  
236.2475, 168.6014

 22.6842, 26.4852,  
11.1078

258.6643,  
285.1557, 209.1695

 14.4799, 17.1870,  
6.0243

309.5983,  
340.3871, 255.7729

 8.5391, 10.3679,  
2.7908

366.8146,

 4.4965, 5.6435,

402.3259, 308.8303

0.9888

430.6788,  
471.3567, 368.7603

■ 1.9867, 2.6296,  
0.0000

■ 0.6265, 0.9416,  
0.0000

■ 85.4435, 96.1574,  
58.3128

■ 85.4435, 96.1574,  
58.3128

■ 83.0434, 95.1974,  
45.6741

■ 88.3240, 97.3096,  
73.4815

■ 81.0969, 94.4188,  
35.4239

■ 91.7083, 98.6633,  
91.3029

■ 79.5757, 93.8103,  
27.4135

95.0500, 100.0000,  
108.9000

■ 78.4481, 93.3592,  
21.4754

■ 77.6777, 93.0511,  
17.4188

■ 77.2218, 92.8687,  
15.0180

■ 77.0192, 92.7877,  
13.9510

■ 77.0000, 92.7800,  
13.8500

# Harmonies

## Analogous

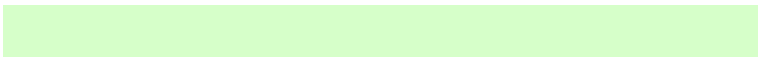
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.9165, 96.1574, 57.4670



85.4435, 96.1574, 58.3128



77.2100, 96.1574, 69.9598

# Triad

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



85.4435, 96.1574, 58.3128



78.2853, 96.1574, 153.7614



112.7473, 96.1574, 117.9652

# Complementary

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



85.4435, 96.1574, 58.3128



54.0704, 50.6222, 101.5290

# 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.



107.2183, 96.1574, 149.3721



85.4435, 96.1574, 58.3128



87.0173, 96.1574, 172.5651

# Square

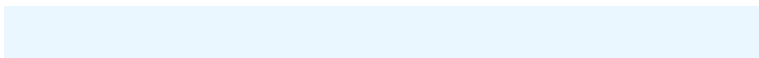
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



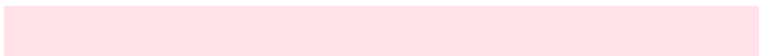
85.4435, 96.1574, 58.3128



73.3018, 96.1574, 123.1117



97.6161, 96.1574, 170.8192



112.2438, 96.1574, 88.2204

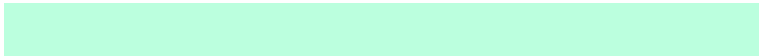


# Rectangle

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



85.4435, 96.1574, 58.3128



73.8524, 96.1574, 83.8295



97.6161, 96.1574, 170.8192



111.5158, 96.1574, 128.7732

# Sweetspot

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



85.4437, 96.1575, 58.3141



91.5726, 98.6090, 90.5882



66.4122, 58.0944, 51.9703



19.4886, 21.0617, 18.8015



0.0000, 0.0000, 0.0000

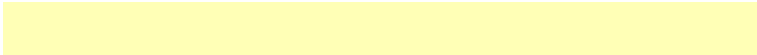


20.3446, 21.4041, 23.3091



# Same Dimension

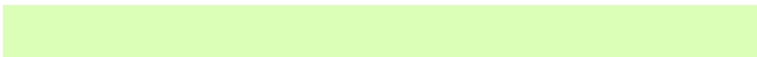
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4437, 96.1575, 58.3141



84.0959, 95.6183, 51.2164



73.2673, 89.8803, 57.7443



19.5613, 21.0908, 19.1843



40.2342, 48.4795, 7.2369



3.9175, 4.7203, 0.7046



# Inverse Universe

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



54.0704, 50.6222, 101.5290



48.3205, 43.6940, 100.4948



63.8420, 55.6597, 101.9863



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657

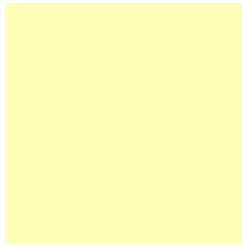


0.9183, 0.3673, 4.8358



# Previews

## White Background



This preview shows how the XYZ color 85.4435, 96.1574, 58.3128 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

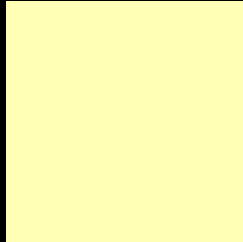
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.4435, 96.1574, 58.3128 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 85.4435, 96.1574, 58.3128**

## **Background**



This preview shows how black text looks on a background with the XYZ color 85.4435, 96.1574, 58.3128.



This preview shows how white text looks on a background with the XYZ color 85.4435, 96.1574,



# 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

85.4435, 96.1574, 58.3128



### Protanopia

91.0232, 96.3688, 93.9244

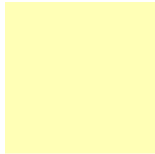
### Deuteranopia

92.0602, 96.2850, 100.9216

## **Tritanopia**

93.1657, 96.2314, 108.2719

# Trichromacy



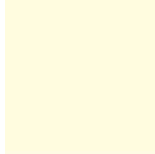
## Original Color

85.4435, 96.1574, 58.3128



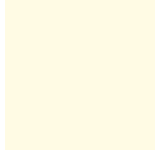
## Protanomaly

88.5748, 95.8906, 79.4860



## Deuteranomaly

89.3697, 96.2085, 83.6719



## Tritanomaly

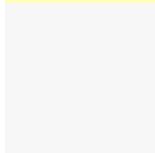
89.7408, 95.8558, 87.1710

# Monochromacy



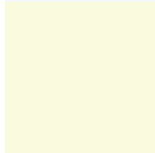
## Original Color

85.4435, 96.1574, 58.3128



## Achromatopsia

88.4070, 93.0111, 101.2891



## Achromatomaly

86.9292, 94.0229, 83.3786

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.4435, 96.1574, 58.3128 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, 255, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 182)  
}
```

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, 255, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 85.4435, 96.1574, 58.3128 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, 255, 182) }
```



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

```
.border{ border-color:rgb(255, 255, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 182);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.4435, 96.1574, 58.3128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 182) }
```

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

```
.background{ background-color: rgb(255,  
255, 182) }
```

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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