

# Converting Colors

XYZ(200.3438, 222.0136,  
76.2516)

Have a look what the booklet for  
XYZ(200.3438, 222.0136, 76.2516)  
contains.

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# Color

**XYZ(85.3405, 96.1162,  
57.7704)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFFB5
RGB	255, 255, 181
RGB Percent	100%, 100%, 71%
CMY	0.0000, 0.0000, 0.2902
CMYK	0.00, 0.00, 0.29, 0.00
HSL	60°, 100%, 85%
HSV	60°, 29%, 100%
XYZ	85.3405, 96.1162, 57.7704
YIQ	246.5640, 23.7540, -23.0140

# Conversions

## Conversions Part 2

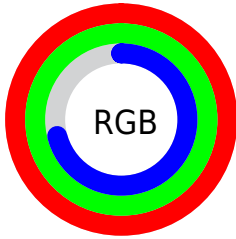
Format	Color
R <sub>Y</sub> B	181, 255, 181
Decimal	16777141
CIE Lab	98.48, -11.08, 35.46
CIE LCh	98, 37.154, 107.345
Yxy	96.1162, 0.3567, 0.4018
Android (android.graphics.Color)	4294967221 (0xFFFFFFFFB5)
YUV	246.5640, -32.3231, 7.3984
Hunter-Lab	98.0389, -16.1880, 33.6900

# Details

The XYZ color **85.3405, 96.1162, 57.7704** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **53.6310, 50.0928, 101.4500**, and the grayscale version is **88.2935, 92.8916, 101.1590**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **47.0508, 53.7908, 27.9815** is the 20% darker color. If you saturate the color by 10%, you get **82.9587, 95.1635, 45.2280**, and if you desaturate by 10%, it is **88.2017, 97.2607, 72.8375**.

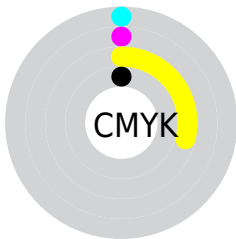
# Distribution



- 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 85.3405, 96.1162, 57.7704 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 85.3405, 96.1162, 57.7704 by changing the saturation by 10% instead.





 85.3405, 96.1162,  
57.7704

 85.3405, 96.1162,  
57.7704

501.2208,  
547.7322, 433.9042

 64.4462, 73.0643,  
41.2106


 139.7604,  
155.8058, 103.0999

 47.2752, 54.0286,  
28.1628


174.0167,  
193.2123, 132.7067

 33.4621, 38.6245,  
18.2083


213.4577,  
236.1725, 167.4996

 22.6416, 26.4677,  
10.9286

258.4488,  
285.0707, 207.8971

 14.4483, 17.1739,  
5.9053

309.3552,  
340.2914, 254.3178

 8.5169, 10.3585,  
2.7197

366.5425,

 4.4820, 5.6373,

402.2190, 307.1801

0.9533

430.3759,  
471.2378, 366.9028

■ 1.9783, 2.6258,  
0.0000

■ 0.6217, 0.9397,  
0.0000

■ 85.3405, 96.1162,  
57.7704

■ 85.3405, 96.1162,  
57.7704

■ 82.9587, 95.1635,  
45.2280

■ 88.2017, 97.2607,  
72.8375

■ 81.0294, 94.3918,  
35.0687

■ 91.5658, 98.6063,  
90.5526

■ 79.5243, 93.7897,  
27.1428

95.0500, 100.0000,  
108.9000

■ 78.4114, 93.3445,  
21.2822

■ 77.6542, 93.0417,  
17.2951

■ 77.2096, 92.8639,  
14.9539

■ 77.0137, 92.7855,  
13.9222

■ 77.0000, 92.7800,  
13.8500

# Harmonies

## Analogous

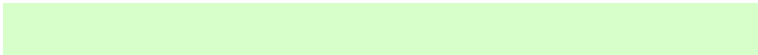
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.9516, 96.1162, 56.9322



85.3405, 96.1162, 57.7704



77.0037, 96.1162, 69.4993

# Triad

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



85.3405, 96.1162, 57.7704



78.0741, 96.1162, 154.4145



113.0059, 96.1162, 118.1433

# Complementary

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



85.3405, 96.1162, 57.7704



53.6310, 50.0928, 101.4500

# 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.



107.3883, 96.1162, 150.0246



85.3405, 96.1162, 57.7704



86.9087, 96.1162, 173.5585

# Square

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



85.3405, 96.1162, 57.7704



73.0396, 96.1162, 123.2807



97.6468, 96.1162, 171.8107



112.5030, 96.1162, 88.0052

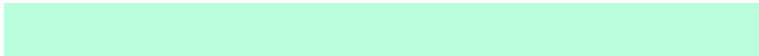


# Rectangle

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



85.3405, 96.1162, 57.7704



73.6043, 96.1162, 83.5004



97.6468, 96.1162, 171.8107



111.7534, 96.1162, 129.1092

# Sweetspot

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



85.3407, 96.1163, 57.7717



91.5726, 98.6090, 90.5882



66.1051, 57.6450, 51.3598



19.4886, 21.0617, 18.8015



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

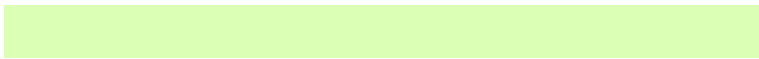
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3407, 96.1163, 57.7717



83.8600, 95.5240, 49.9744



73.0145, 89.7619, 57.1949



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.



53.6310, 50.0928, 101.4500



47.3143, 42.4816, 100.3138



63.4882, 55.1743, 101.9113



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657

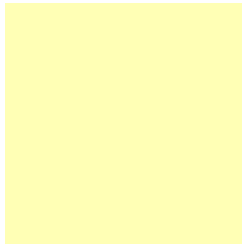


0.9183, 0.3673, 4.8358



# Previews

## White Background



This preview shows how the XYZ color 85.3405, 96.1162, 57.7704 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

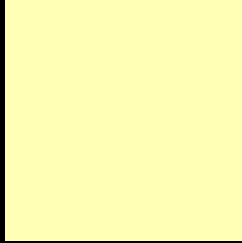
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.3405, 96.1162, 57.7704 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 85.3405, 96.1162, 57.7704

## Background



This preview shows how black text looks on a background with the XYZ color 85.3405, 96.1162, 57.7704.



This preview shows how white text looks on a background with the XYZ color 85.3405, 96.1162,

57.7704.

# 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

85.3405, 96.1162, 57.7704

### Protanopia

91.0232, 96.3688, 93.9244

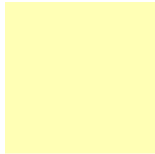
### Deuteranopia

92.0602, 96.2850, 100.9216

## **Tritanopia**

93.0051, 96.1671, 107.4261

# Trichromacy



## Original Color

85.3405, 96.1162, 57.7704



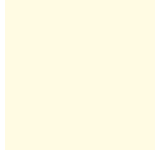
## Protanomaly

88.5748, 95.8906, 79.4860



## Deuteranomaly

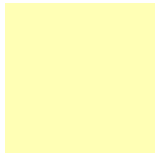
89.2352, 96.1547, 82.9638



## Tritanomaly

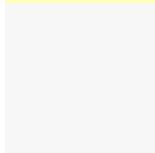
89.6023, 95.8004, 86.4418

# Monochromacy



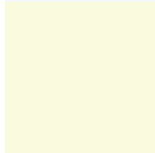
## Original Color

85.3405, 96.1162, 57.7704



## 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 85.3405, 96.1162, 57.7704 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 85.3405, 96.1162, 57.7704 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, 181) }
```



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

```
.border{ border-color:rgb(255, 255, 181) }
```

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, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.3405, 96.1162, 57.7704 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, 181) }
```

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

```
.background{ background-color: rgb(255,  
255, 181) }
```

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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