

# Converting Colors

XYZ(111.1511, 128.4418,  
54.5537)

Have a look what the booklet for  
XYZ(111.1511, 128.4418, 54.5537)  
contains.

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# **Color**

**XYZ(83.7915, 95.4966,  
49.6137)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFFA5
RGB	255, 255, 165
RGB Percent	100%, 100%, 65%
CMY	0.0000, 0.0000, 0.3529
CMYK	0.00, 0.00, 0.35, 0.00
HSL	60°, 100%, 82%
HSV	60°, 35%, 100%
XYZ	83.7915, 95.4966, 49.6137
YIQ	244.7400, 28.8900, -27.9900

# Conversions

## Conversions Part 2

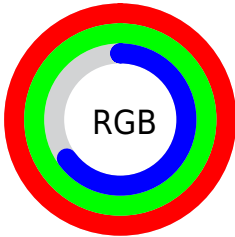
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	165, 255, 165
Decimal	16777125
CIE <sub>Lab</sub>	98.23, -12.95, 43.05
CIE <sub>LCh</sub>	98, 44.955, 106.742
Yxy	95.4966, 0.3661, 0.4172
Android (android.graphics.Color)	4294967205 (0xFFFFFFFFA5)
YUV	244.7400, -39.3118, 8.9980
Hunter-Lab	97.7224, -17.9603, 38.3041

# Details

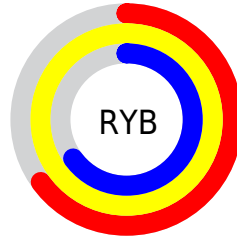
The XYZ color **83.7915, 95.4966, 49.6137** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.0232, 42.1309, 100.2614**, and the grayscale version is **86.8707, 91.3947, 99.5289**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **46.1447, 53.4283, 23.2099** is the 20% darker color. If you saturate the color by 10%, you get **81.6970, 94.6588, 38.5842**, and if you desaturate by 10%, it is **86.3493, 96.5197, 63.0828**.

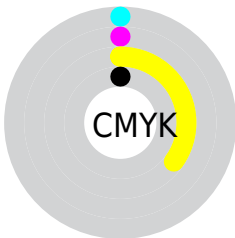
# Distribution



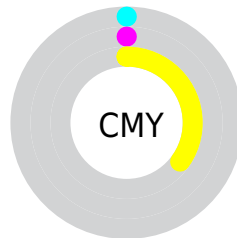
- Red (100%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.7915, 95.4966, 49.6137 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 83.7915, 95.4966, 49.6137 by changing the saturation by 10% instead.




 83.7915, 95.4966,  
49.6137


 83.7915, 95.4966,  
49.6137


496.1647,  
545.7536, 401.8451

 63.1624, 72.5484,  
34.7375


 137.6062,  
154.9505, 90.9927

 46.2318, 53.6068,  
23.1788


 171.5226,  
192.2249, 118.3325

 32.6342, 38.2874,  
14.5191


210.5989,  
235.0436, 150.6640

 22.0042, 26.2058,  
8.3397

255.2003,  
283.7908, 188.4057

 13.9766, 16.9777,  
4.2222

305.6922,  
338.8511, 231.9761

 8.1860, 10.2186,  
1.7480

362.4400,

 4.2670, 5.5441,

400.6087, 281.7938

0.3933

425.8091,  
469.4480, 338.2772

■ 1.8543, 2.5699,  
0.0000

■ 0.5500, 0.9116,  
0.0000

■ 83.7915, 95.4966,  
49.6137

■ 83.7915, 95.4966,  
49.6137

■ 81.6970, 94.6588,  
38.5842

■ 86.3493, 96.5197,  
63.0828

■ 80.0374, 93.9950,  
29.8448

■ 89.3950, 97.7380,  
79.1213

■ 78.7823, 93.4929,  
23.2357

■ 92.9524, 99.1610,  
97.8542

■ 77.8973, 93.1389,  
18.5750

95.0500, 100.0000,  
108.9000

■ 77.3418, 92.9167,  
15.6503

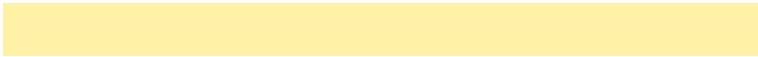
■ 77.0663, 92.8065,  
14.1995

■ 77.0000, 92.7800,  
13.8500

# Harmonies

## Analogous

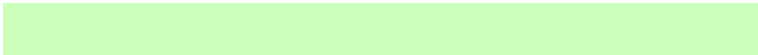
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.5884, 95.4966, 48.9325



83.7915, 95.4966, 49.6137



73.8377, 95.4966, 62.4206

# Triad

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



83.7915, 95.4966, 49.6137



74.7732, 95.4966, 164.9321



117.1799, 95.4966, 121.1779

# Complementary

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



83.7915, 95.4966, 49.6137



47.0232, 42.1309, 100.2614

# 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.



110.1035, 95.4966, 160.8028



83.7915, 95.4966, 49.6137



85.1837, 95.4966, 189.8216

# Square

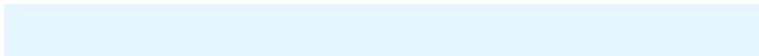
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7915, 95.4966, 49.6137



68.9798, 95.4966, 125.8689



98.1185, 95.4966, 188.1525



116.7166, 95.4966, 84.7876

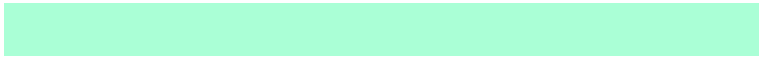


# Rectangle

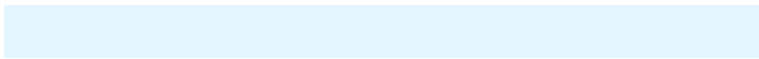
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7915, 95.4966, 49.6137



69.7877, 95.4966, 78.3223



98.1185, 95.4966, 188.1525



115.5776, 95.4966, 134.7049

# Sweetspot

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



83.7918, 95.4967, 49.6150



90.8582, 98.3233, 86.8264



61.4874, 50.8879, 42.1802



19.3463, 21.0048, 18.0520



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

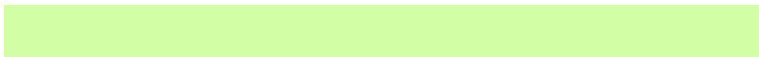
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7918, 95.4967, 49.6150



82.3374, 94.9149, 41.9563



69.1305, 87.9385, 48.9289



19.5613, 21.0908, 19.1843



40.2341, 48.4795, 7.2369



3.9175, 4.7203, 0.7046



# Inverse Universe

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



47.0232, 42.1309, 100.2614



40.8189, 34.6550, 99.1454



58.0843, 47.8331, 100.7791



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657

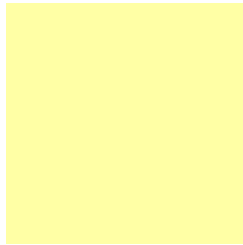


0.9183, 0.3673, 4.8358



# Previews

## White Background



This preview shows how the XYZ color 83.7915, 95.4966, 49.6137 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

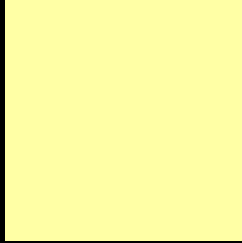
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.7915, 95.4966, 49.6137 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

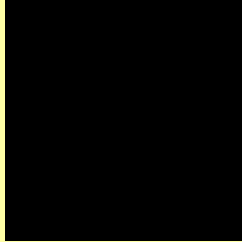
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 83.7915, 95.4966, 49.6137**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.7915, 95.4966, 49.6137.



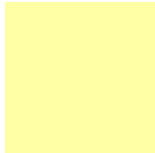
This preview shows how white text looks on a background with the XYZ color 83.7915, 95.4966,



# Color Blindness Simulation

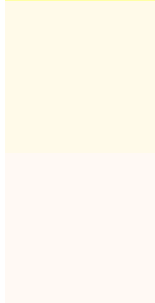
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

83.7915, 95.4966, 49.6137



### Protanopia

90.1336, 95.5144, 90.7764

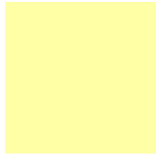
### Deuteranopia

91.4448, 95.5430, 99.2099

## **Tritanopia**

92.6968, 95.5506, 107.3234

# Trichromacy



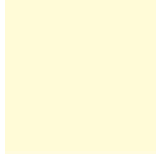
## Original Color

83.7915, 95.4966, 49.6137



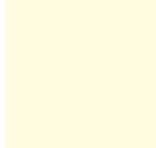
## Protanomaly

87.4356, 95.4349, 73.4869



## Deuteranomaly

88.0029, 95.1607, 78.0196



## Tritanomaly

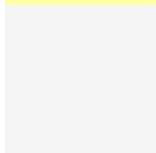
88.9220, 95.5283, 82.8594

# Monochromacy



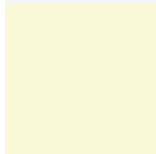
## Original Color

83.7915, 95.4966, 49.6137



## Achromatopsia

86.7900, 91.3099, 99.4364



## Achromatomaly

85.3373, 92.8490, 78.3896

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.7915, 95.4966, 49.6137 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 83.7915, 95.4966, 49.6137 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, 165) }
```



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

```
.border{ border-color:rgb(255, 255, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.7915, 95.4966, 49.6137 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, 165) }
```

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

```
.background{ background-color: rgb(255,  
255, 165) }
```

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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