

# Converting Colors

XYZ(62.4761, 81.8197, 49.6483)

Have a look what the booklet for  
XYZ(62.4761, 81.8197, 49.6483)  
contains.

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# Color

**XYZ(62.4294, 81.6549,  
49.5164)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFF9A8
RGB	191, 249, 168
RGB Percent	75%, 98%, 66%
CMY	0.2510, 0.0235, 0.3412
CMYK	0.23, 0.00, 0.33, 0.02
HSL	103°, 87%, 82%
HSV	103°, 33%, 98%
XYZ	62.4294, 81.6549, 49.5164
YIQ	222.4240, -8.5670, -37.4870

# Conversions

## Conversions Part 2

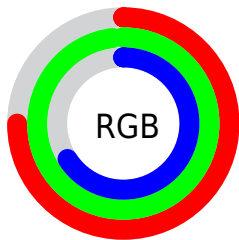
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">168, 249, 226</a>
Decimal	<a href="#">12581288</a>
CIELab	<a href="#">92.42, -32.71, 33.13</a>
CIELCh	<a href="#">92, 46.558, 134.629</a>
Yxy	<a href="#">81.6549, 0.3225, 0.4218</a>
Android (android.graphics.Color)	<a href="#">4290771368</a> ( <a href="#">0xFFBFF9A8</a> )
YUV	<a href="#">222.4240, -26.8310, -27.5588</a>
Hunter-Lab	<a href="#">90.3631, -34.8146, 30.7649</a>

# Details

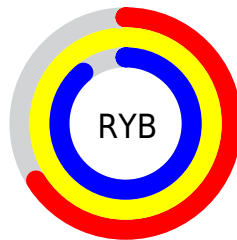
The XYZ color **62.4294, 81.6549, 49.5164** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **62.4692, 51.0160, 96.1816**, and the grayscale version is **69.9210, 73.5624, 80.1094**.

A 20% lighter version of the original color is **87.9259, 96.8583, 84.5823**, and **32.0975, 44.1713, 23.0539** is the 20% darker color. If you saturate the color by 10%, you get **56.1142, 78.6446, 38.2495**, and if you desaturate by 10%, it is **69.7390, 85.1314, 63.1518**.

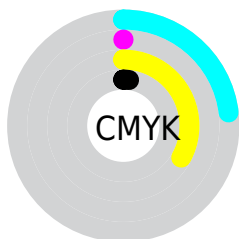
# Distribution



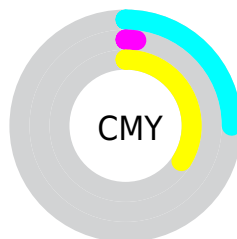
- Red (75%)
- Green (98%)
- Blue (66%)



- Red (66%)
- Yellow (98%)
- Blue (89%)



- Cyan (23%)
- Magenta (0%)
- Yellow (33%)
- Black (2%)



- Cyan (25%)
- Magenta (2%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.4294, 81.6549, 49.5164 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 62.4294, 81.6549, 49.5164 by changing the saturation by 10% instead.



62.4294, 81.6549,  
49.5164

62.4294, 81.6549,  
49.5164

423.1883,  
500.4926, 401.4525

45.6367, 61.0811,  
34.6608

107.4323,  
135.6899, 90.8469

32.1626, 44.2906,  
23.1203

136.3732,  
169.9200, 118.1588

21.6419, 30.8991,  
14.4762

170.0943,  
209.4709, 150.4599

13.7091, 20.5220,  
8.3101

208.9607,  
254.7271, 188.1688

7.9990, 12.7751,  
4.2034

253.3380,  
306.0730, 231.7040

4.1461, 7.2738,  
1.7376


303.5915,


1.7851, 3.6339,


363.8930, 281.4839


0.3863


360.0865,  
428.5714, 337.9273


 0.5087, 1.4710,  
0.0000

 0.0000, 0.2682,  
0.0000

 62.4294, 81.6549,  
49.5164


 62.4294, 81.6549,  
49.5164


 56.1142, 78.6446,  
38.2495


 69.7390, 85.1314,  
63.1518


 50.7421, 76.0697,  
29.2109

 78.0787, 89.0824,  
79.2745

 46.2665, 73.9118,  
22.2538

 87.4900, 93.5294,  
98.0017

 42.6340, 72.1470,  
17.2118

 93.1674, 96.2347,  
108.2725

■ 39.7847, 70.7486,  
13.8929

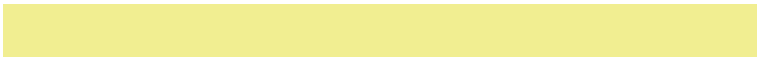
■ 37.6490, 69.6859,  
12.0647

■ 36.4537, 69.0829,  
11.4130

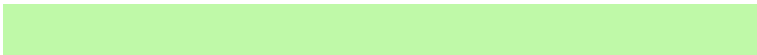
# Harmonies

## Analogous

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



71.8986, 81.6549, 38.8772



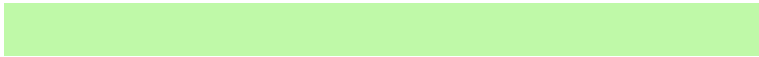
62.4294, 81.6549, 49.5164



57.3245, 81.6549, 72.4364

# Triad

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



62.4294, 81.6549, 49.5164



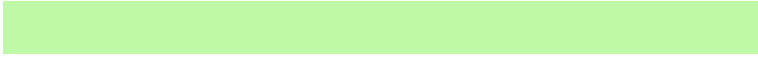
71.6230, 81.6549, 169.5755



102.2869, 81.6549, 73.1644

# Complementary

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



62.4294, 81.6549, 49.5164



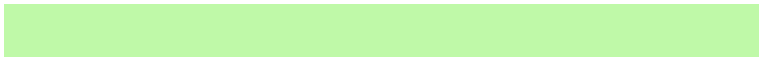
62.4692, 51.0160, 96.1816

# Split Complementary

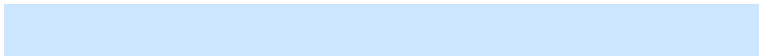
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.1934, 81.6549, 107.7053



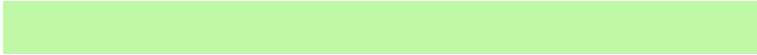
62.4294, 81.6549, 49.5164



83.6172, 81.6549, 169.9185

# Square

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



62.4294, 81.6549, 49.5164



62.2457, 81.6549, 144.2172



95.0725, 81.6549, 145.0595

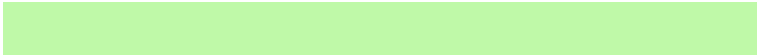


95.3161, 81.6549, 49.9298



# Rectangle

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



62.4294, 81.6549, 49.5164



56.7106, 81.6549, 94.3774



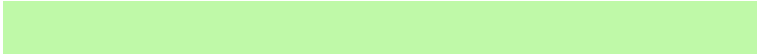
95.0725, 81.6549, 145.0595



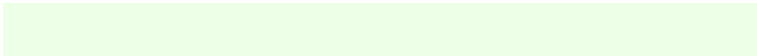
103.1020, 81.6549, 83.6547

# Sweetspot

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



62.4315, 81.6584, 49.5182



84.8110, 95.1649, 88.3939



72.9824, 76.6588, 47.9971



17.8649, 20.2329, 18.3514



0.0000, 0.0000, 0.0000

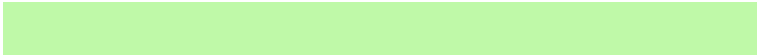


20.3446, 21.4041, 23.3091

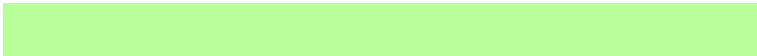


# Same Dimension

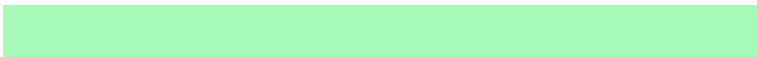
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.4315, 81.6584, 49.5182



61.4385, 84.0690, 44.2419



58.6994, 79.5490, 57.7198



17.4801, 19.5478, 18.3142



19.6317, 37.0388, 6.1145



1.9174, 3.4815, 0.5709



# Inverse Universe

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



62.4692, 51.0160, 96.1816



61.4674, 47.1388, 100.4668



67.7521, 54.0190, 83.8005



17.4847, 17.2625, 21.7957



19.1646, 8.8224, 48.6664

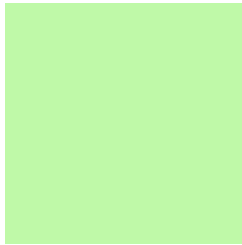


1.8789, 0.8707, 4.5122



# Previews

## White Background



This preview shows how the XYZ color 62.4294, 81.6549, 49.5164 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 62.4294, 81.6549, 49.5164 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

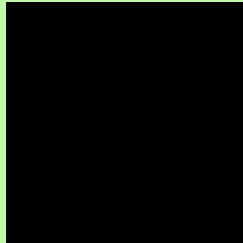
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

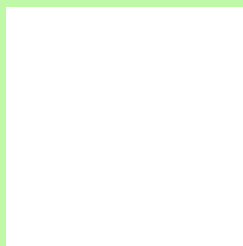
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 62.4294, 81.6549, 49.5164

## Background



This preview shows how black text looks on a background with the XYZ color 62.4294, 81.6549, 49.5164.



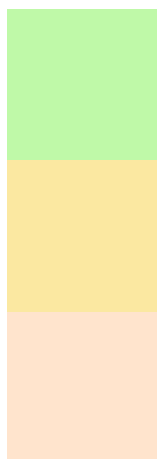
This preview shows how white text looks on a background with the XYZ color 62.4294, 81.6549,

49.5164.

# 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

62.4294, 81.6549, 49.5164

### Protanopia

75.0733, 80.7957, 45.3565

### Deuteranopia

80.0028, 81.1546, 69.2054



## Tritanopia

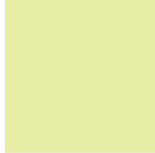
74.3466, 81.1983, 106.3621

# Trichromacy



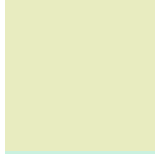
## Original Color

62.4294, 81.6549, 49.5164



## Protanomaly

69.5885, 80.4874, 46.9899



## Deuteranomaly

72.7886, 80.9525, 61.6582



## Tritanomaly

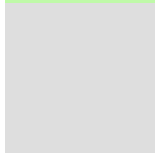
69.1317, 80.7949, 81.7634

# Monochromacy



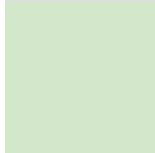
## Original Color

62.4294, 81.6549, 49.5164



## Achromatopsia

69.4303, 73.0461, 79.5472



## Achromatomaly

66.3813, 75.8264, 67.0144

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.4294, 81.6549, 49.5164 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(191, 249, 168)` looks like.

```
.text, #text, p{  
    color:rgb(191, 249, 168)  
}
```

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(191, 249, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 249, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 62.4294, 81.6549, 49.5164 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(191, 249, 168) }
```



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

```
.border{ border-color:rgb(191, 249, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 249, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 249, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 249, 168);  
box-shadow:4px 4px 4px 4px rgb(191, 249,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.4294, 81.6549, 49.5164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 249, 168) }
```

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

```
.background{ background-color: rgb(191,  
249, 168) }
```

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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