

# Converting Colors

XYZ(44.3871, 64.2168, 48.2366)

Have a look what the booklet for  
XYZ(44.3871, 64.2168, 48.2366)  
contains.

<b>XYZ(44.3049, 64.0079, 48.0499)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(44.3049, 64.0079,  
48.0499)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FE6AA
RGB	127, 230, 170
RGB Percent	50%, 90%, 67%
CMY	0.5020, 0.0980, 0.3333
CMYK	0.45, 0.00, 0.26, 0.10
HSL	145°, 67%, 70%
HSV	145°, 45%, 90%
XYZ	44.3049, 64.0079, 48.0499
YIQ	192.3630, -42.1280, -40.4960

# Conversions

## Conversions Part 2

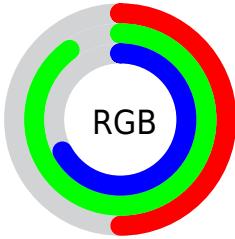
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 200, 230
Decimal	8382122
CIELab	83.97, -43.22, 20.09
CIELCh	84, 47.666, 155.067
Yxy	64.0079, 0.2833, 0.4094
Android (android.graphics.Color)	4286572202 (0xFF7FE6AA)
YUV	192.3630, -11.0250, -57.3234
Hunter-Lab	80.0049, -41.1594, 20.3947

# Details

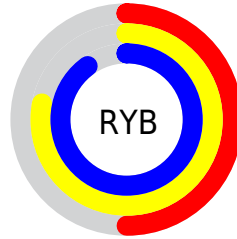
The XYZ color **44.3049, 64.0079, 48.0499** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **49.1942, 35.5910, 51.2930**, and the grayscale version is **50.3966, 53.0211, 57.7400**.

A 20% lighter version of the original color is **69.1178, 87.1466, 84.4122**, and **20.9319, 32.8822, 22.3832** is the 20% darker color. If you saturate the color by 10%, you get **40.0591, 61.9599, 41.5693**, and if you desaturate by 10%, it is **49.4651, 66.5158, 55.2505**.

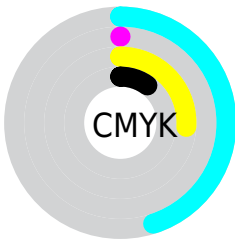
# Distribution



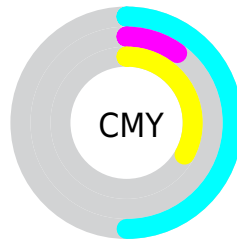
- Red (50%)
- Green (90%)
- Blue (67%)



- Red (50%)
- Yellow (78%)
- Blue (90%)



- Cyan (45%)
- Magenta (0%)
- Yellow (26%)
- Black (10%)




- Cyan (50%)
- Magenta (10%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.3049, 64.0079, 48.0499 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 44.3049, 64.0079, 48.0499 by changing the saturation by 10% instead.





 44.3049, 64.0079,  
48.0499


 44.3049, 64.0079,  
48.0499


354.7823,  
439.2182, 395.5043


 31.1092, 46.6571,  
33.5061


 80.9199, 110.6223,  
88.6450

 20.8343, 32.7646,  
22.2402


 105.0698,  
140.6547, 115.5335

 13.1147, 21.9462,  
13.8335


 133.6020,  
175.6830, 147.3739

 7.5851, 13.8174,  
7.8675

166.8816,  
216.0918, 184.5848

 3.8802, 7.9938,  
3.9237

205.2741,  
262.2652, 227.5847

 1.6346, 4.0910,  
1.5836

249.1448,

 0.4148, 1.7246,

314.5879, 276.7923

0.2791

298.8591,  
373.4440, 332.6259

■ 0.0000, 0.4395,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 44.3049, 64.0079,  
48.0499

■ 44.3049, 64.0079,  
48.0499

■ 40.0591, 61.9599,  
41.5693

■ 49.4651, 66.5158,  
55.2505

■ 36.6649, 60.3348,  
35.7815


■ 55.5873, 69.5026,  
63.1883

■ 34.0593, 59.1021,  
30.6639


■ 62.7213, 72.9952,  
71.8857

■ 32.1673, 58.2238,  
26.1907


■ 70.9124, 77.0166,  
81.3624

 30.8983, 57.6536,  
22.3343

 80.2027, 81.5881,  
91.6376

 30.4102, 57.4409,  
20.5554

 86.8550, 84.7828,  
102.5529

 87.5880, 85.0760,  
106.4127

# Harmonies

## Analogous

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



49.9597, 64.0079, 32.2722



44.3049, 64.0079, 48.0499



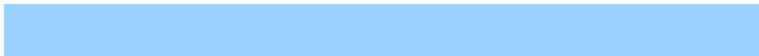
42.8616, 64.0079, 74.9260

# Triad

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



44.3049, 64.0079, 48.0499



62.6381, 64.0079, 144.6110



78.9035, 64.0079, 41.4725

# Complementary

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



44.3049, 64.0079, 48.0499



49.1942, 35.5910, 51.2930

# 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.



83.2454, 64.0079, 64.7109



44.3049, 64.0079, 48.0499



73.1898, 64.0079, 128.5394

# Square

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



44.3049, 64.0079, 48.0499



52.7172, 64.0079, 136.3733



81.0431, 64.0079, 97.0209



69.7517, 64.0079, 29.3112



# Rectangle

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



44.3049, 64.0079, 48.0499



44.3210, 64.0079, 97.1732



81.0431, 64.0079, 97.0209



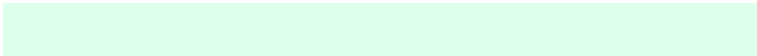
81.0191, 64.0079, 47.9547

# Sweetspot

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



44.3066, 64.0105, 48.0514



80.9334, 93.0640, 92.8177



52.6436, 68.7041, 30.5660



16.8597, 19.6923, 19.3186



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.



44.3066, 64.0105, 48.0514



50.8533, 78.4094, 52.9013



50.1580, 66.3511, 78.8643



14.4376, 16.1885, 16.5694



17.2736, 32.5416, 11.9412



1.3219, 2.4229, 1.1217



# Inverse Universe

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



49.1942, 35.5910, 51.2930



57.7734, 38.1075, 57.4435



44.6387, 33.7688, 27.3038



14.7273, 14.5081, 16.7644



20.9728, 10.5233, 14.0177

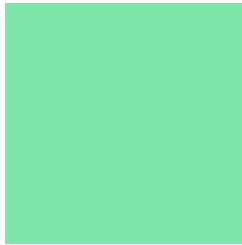


1.5959, 0.7961, 1.2785



# Previews

## White Background



This preview shows how the XYZ color 44.3049, 64.0079, 48.0499 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

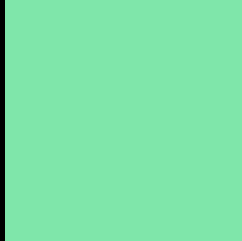
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.3049, 64.0079, 48.0499 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 44.3049, 64.0079, 48.0499**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.3049, 64.0079, 48.0499.



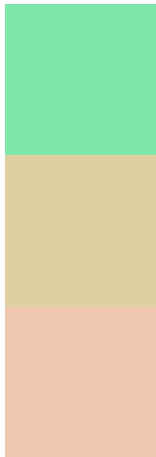
This preview shows how white text looks on a background with the XYZ color 44.3049, 64.0079,



# 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

44.3049, 64.0079, 48.0499

### Protanopia

59.0252, 63.1794, 42.3416

### Deuteranopia

64.0874, 62.7939, 49.8170



## Tritanopia

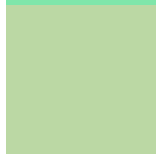
52.9380, 63.8742, 91.2002

# Trichromacy



## Original Color

44.3049, 64.0079, 48.0499



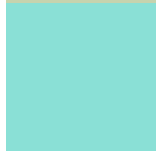
## Protanomaly

51.7502, 62.3569, 44.4305



## Deuteranomaly

54.2229, 61.6503, 49.0862



## Tritanomaly

49.2745, 63.5696, 73.2915

# Monochromacy



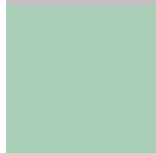
## Original Color

44.3049, 64.0079, 48.0499



## Achromatopsia

50.1023, 52.7115, 57.4028



## Achromatomaly

46.8715, 55.9281, 53.6722

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.3049, 64.0079, 48.0499 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(127, 230, 170)` looks like.

```
.text, #text, p{  
    color:rgb(127, 230, 170)  
}
```

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(127, 230, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 230, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 44.3049, 64.0079, 48.0499 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(127, 230, 170) }
```



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

```
.border{ border-color:rgb(127, 230, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 230, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 230, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 230, 170);  
box-shadow:4px 4px 4px 4px rgb(127, 230,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.3049, 64.0079, 48.0499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 230, 170) }
```

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

```
.background{ background-color: rgb(127,  
230, 170) }
```

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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