

# Converting Colors

XYZ(48.8205, 65.2107, 53.9728)

Have a look what the booklet for  
XYZ(48.8205, 65.2107, 53.9728)  
contains.

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# Color

**XYZ(48.8464, 65.4023,  
53.7655)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97E4B5
RGB	151, 228, 181
RGB Percent	59%, 89%, 71%
CMY	0.4078, 0.1059, 0.2902
CMYK	0.34, 0.00, 0.21, 0.11
HSL	143°, 59%, 74%
HSV	143°, 34%, 89%
XYZ	48.8464, 65.4023, 53.7655
YIQ	199.6190, -30.8050, -30.9410

# Conversions

## Conversions Part 2

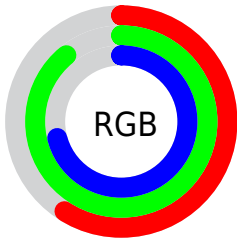
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 206, 228
Decimal	9954485
CIELab	84.69, -33.51, 15.52
CIELCh	85, 36.933, 155.145
Yxy	65.4023, 0.2907, 0.3893
Android (android.graphics.Color)	4288144565 (0xFF97E4B5)
YUV	199.6190, -9.1792, -42.6389
Hunter-Lab	80.8717, -33.7117, 17.1927

# Details

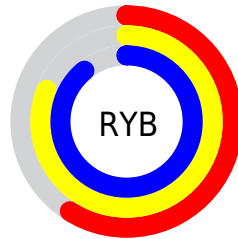
The XYZ color **48.8464, 65.4023, 53.7655** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.2568, 42.7060, 58.8649**, and the grayscale version is **54.7350, 57.5855, 62.7106**.

A 20% lighter version of the original color is **76.7782, 90.8998, 93.6195**, and **23.5786, 33.6049, 25.6658** is the 20% darker color. If you saturate the color by 10%, you get **43.6599, 62.8872, 46.4375**, and if you desaturate by 10%, it is **54.9974, 68.4017, 61.8862**.

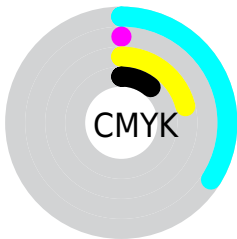
# Distribution



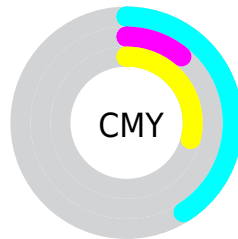
- Red (59%)
- Green (89%)
- Blue (71%)



- Red (59%)
- Yellow (81%)
- Blue (89%)



- Cyan (34%)
- Magenta (0%)
- Yellow (21%)
- Black (11%)




- Cyan (41%)
- Magenta (11%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8464, 65.4023, 53.7655 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 48.8464, 65.4023, 53.7655 by changing the saturation by 10% instead.





 48.8464, 65.4023,  
53.7655


 48.8464, 65.4023,  
53.7655


372.6643,  
444.2363, 418.3645

 34.7117, 47.7874,  
38.0223


 87.6654, 112.6280,  
97.1828

 23.6063, 33.6585,  
25.6980


 113.0803,  
143.0076, 125.6939

 15.1650, 22.6314,  
16.3741


142.9861,  
178.4109, 159.2982

 9.0223, 14.3216,  
9.6321

177.7480,  
219.2223, 198.4141

 4.8130, 8.3447,  
5.0533

217.7315,  
265.8261, 243.4601

 2.1716, 4.3163,  
2.2193

263.3017,

 0.7277, 1.8520,

318.6067, 294.8548

0.6855

314.8242,  
377.9487, 353.0167

■ 0.0000, 0.5193,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 48.8464, 65.4023,  
53.7655

■ 48.8464, 65.4023,  
53.7655

■ 43.6599, 62.8872,  
46.4375

■ 54.9974, 68.4017,  
61.8862

■ 39.3811, 60.8223,  
39.8737

■ 62.1551, 71.9014,  
70.8182

■ 35.9552, 59.1815,  
34.0500

■ 70.3657, 75.9264,  
80.5850

■ 33.3190, 57.9329,  
28.9396

■ 79.6706, 80.4978,  
91.2080

■ 31.3997, 57.0394,  
24.5137

■ 86.3325, 83.6884,  
102.5308

■ 30.1098, 56.4566,  
20.7415

■ 87.0346, 83.9692,  
106.2282

■ 29.5407, 56.2077,  
18.7060

# Harmonies

## Analogous

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



53.4678, 65.4023, 40.1379



48.8464, 65.4023, 53.7655



47.6589, 65.4023, 75.3657

# Triad

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



48.8464, 65.4023, 53.7655



63.5969, 65.4023, 126.7476



76.0636, 65.4023, 48.1223

# Complementary

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



48.8464, 65.4023, 53.7655



53.2568, 42.7060, 58.8649

# 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.



79.3462, 65.4023, 67.2137



48.8464, 65.4023, 53.7655



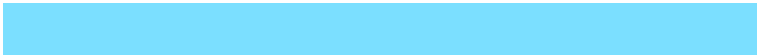
71.7531, 65.4023, 115.2165

# Square

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



48.8464, 65.4023, 53.7655



55.7282, 65.4023, 120.9250



77.7032, 65.4023, 92.0751



69.0749, 65.4023, 37.4207



# Rectangle

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



48.8464, 65.4023, 53.7655



48.8752, 65.4023, 92.3222



77.7032, 65.4023, 92.0751



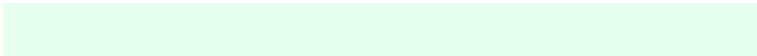
77.6639, 65.4023, 53.5932

# Sweetspot

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



48.8482, 65.4050, 53.7670



83.8772, 94.5181, 95.8215



56.7479, 69.7957, 39.7600



17.6413, 20.0779, 20.1353



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

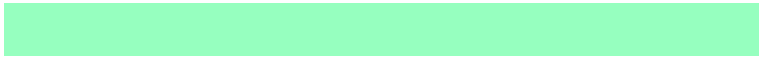


# Same Dimension

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



48.8482, 65.4050, 53.7670



57.8447, 81.8164, 62.1390



53.2964, 67.1843, 77.1910



14.4206, 16.1817, 16.4798



17.1112, 32.4766, 11.0858



1.3089, 2.4177, 1.0534



# Inverse Universe

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



53.2568, 42.7060, 58.8649



64.3901, 48.0853, 69.6853



49.4071, 41.1661, 38.5929



14.7448, 14.5151, 16.8563



21.2330, 10.6274, 15.3880

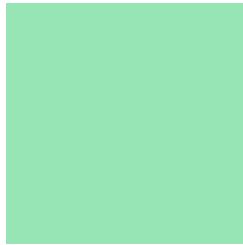


1.6143, 0.8034, 1.3754



# Previews

## White Background



This preview shows how the XYZ color 48.8464, 65.4023, 53.7655 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

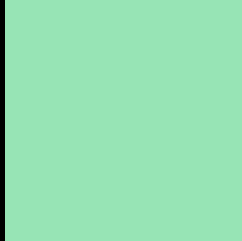
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.8464, 65.4023, 53.7655 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

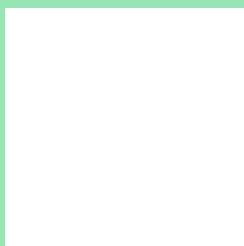
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 48.8464, 65.4023, 53.7655**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.8464, 65.4023, 53.7655.



This preview shows how white text looks on a background with the XYZ color 48.8464, 65.4023,

53.7655.

# 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

48.8464, 65.4023, 53.7655

### Protanopia

60.9244, 64.7597, 48.3185

### Deuteranopia

66.1540, 64.7823, 55.4719



## Tritanopia

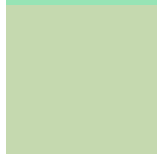
56.1301, 65.1460, 90.5050

# Trichromacy



## Original Color

48.8464, 65.4023, 53.7655



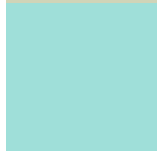
## Protanomaly

55.5767, 64.5912, 50.0956



## Deuteranomaly

58.2076, 63.9576, 54.6246



## Tritanomaly

53.2101, 65.1560, 75.4175

# Monochromacy



## Original Color

48.8464, 65.4023, 53.7655



## Achromatopsia

54.8990, 57.7580, 62.8985



## Achromatomaly

51.9636, 59.8885, 59.2729

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.8464, 65.4023, 53.7655 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(151, 228, 181)` looks like.

```
.text, #text, p{  
    color:rgb(151, 228, 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(151, 228, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 228, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 48.8464, 65.4023, 53.7655 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(151, 228, 181) }
```



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

```
.border{ border-color:rgb(151, 228, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 228, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 228, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 228, 181);  
box-shadow:4px 4px 4px 4px rgb(151, 228,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.8464, 65.4023, 53.7655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 228, 181) }
```

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

```
.background{ background-color: rgb(151,  
228, 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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