

# Converting Colors

XYZ(44.8829, 64.7090, 50.4330)

Have a look what the booklet for  
XYZ(44.8829, 64.7090, 50.4330)  
contains.

<b>XYZ(44.9180, 64.6826, 50.6750)</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(44.9180, 64.6826,  
50.6750)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EE7AF
RGB	126, 231, 175
RGB Percent	49%, 91%, 69%
CMY	0.5059, 0.0941, 0.3137
CMYK	0.45, 0.00, 0.24, 0.09
HSL	148°, 69%, 70%
HSV	148°, 45%, 91%
XYZ	44.9180, 64.6826, 50.6750
YIQ	193.2210, -44.6040, -39.6760

# Conversions

## Conversions Part 2

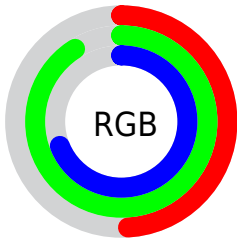
Format	Color
<a href="#">RYB</a>	<a href="#">126, 198, 231</a>
Decimal	<a href="#">8316847</a>
CIELab	<a href="#">84.32, -42.95, 17.97</a>
CIELCh	<a href="#">84, 46.561, 157.293</a>
Yxy	<a href="#">64.6826, 0.2803, 0.4036</a>
Android (android.graphics.Color)	<a href="#">4286506927 (0xFF7EE7AF)</a>
YUV	<a href="#">193.2210, -8.9830, -58.9528</a>
Hunter-Lab	<a href="#">80.4255, -41.0516, 18.9400</a>

# Details

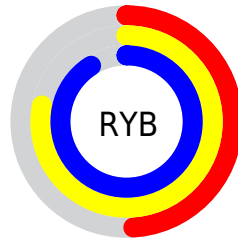
The XYZ color **44.9180, 64.6826, 50.6750** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.8615, 35.2896, 48.4949**, and the grayscale version is **50.8900, 53.5402, 58.3053**.

A 20% lighter version of the original color is **69.7122, 87.3568, 88.7886**, and **21.2267, 33.2940, 23.7200** is the 20% darker color. If you saturate the color by 10%, you get **40.7418, 62.6649, 44.4491**, and if you desaturate by 10%, it is **49.9946, 67.1551, 57.5222**.

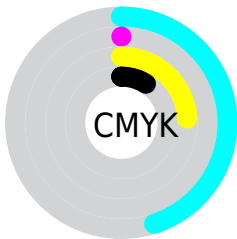
# Distribution



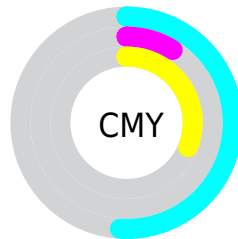
- Red (49%)
- Green (91%)
- Blue (69%)



- Red (49%)
- Yellow (78%)
- Blue (91%)



- Cyan (45%)
- Magenta (0%)
- Yellow (24%)
- Black (9%)




- Cyan (51%)
- Magenta (9%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9180, 64.6826, 50.6750 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 44.9180, 64.6826, 50.6750 by changing the saturation by 10% instead.





 44.9180, 64.6826,  
50.6750


 44.9180, 64.6826,  
50.6750


357.2306,  
441.6505, 406.1102

 31.5938, 47.2038,  
35.5751


 81.8352, 111.5934,  
92.5808

 21.2055, 33.1968,  
23.8191

 106.1589,  
141.7942, 120.2237

 13.3876, 22.2772,  
14.9885


 134.8799,  
177.0044, 152.8847

 7.7748, 14.0607,  
8.6648

168.3634,  
217.6084, 190.9824

 4.0018, 8.1629,  
4.4294

206.9749,  
263.9906, 234.9352

 1.7032, 4.1994,  
1.8637

251.0797,

 0.4582, 1.7857,

316.5354, 285.1618

0.4695

301.0432,  
375.6273, 342.0806

■ 0.0000, 0.4782,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 44.9180, 64.6826,  
50.6750

■ 44.9180, 64.6826,  
50.6750

■ 40.7418, 62.6649,  
44.4491

■ 49.9946, 67.1551,  
57.5222

■ 37.4028, 61.0647,  
38.8221


■ 56.0187, 70.1014,  
65.0035


■ 34.8378, 59.8515,  
33.7765


■ 63.0405, 73.5484,  
73.1370


■ 32.9715, 58.9867,  
29.2918


■ 71.1047, 77.5193,  
81.9383

 31.7118, 58.4233,  
25.3464

 80.2536, 82.0353,  
91.4228

 31.2732, 58.2326,  
23.7231

 86.9043, 85.2491,  
101.4357

 87.8671, 85.6342,  
106.5057

# Harmonies

## Analogous

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



50.2141, 64.6826, 34.1784



44.9180, 64.6826, 50.6750



43.8088, 64.6826, 77.8977

# Triad

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



44.9180, 64.6826, 50.6750



64.0344, 64.6826, 143.2503



78.6704, 64.6826, 41.2825

# Complementary

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



44.9180, 64.6826, 50.6750



48.8615, 35.2896, 48.4949

# 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.



83.3569, 64.6826, 63.4525



44.9180, 64.6826, 50.6750



74.3137, 64.6826, 126.0590

# Square

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



44.9180, 64.6826, 50.6750



54.1268, 64.6826, 137.0046



81.6793, 64.6826, 94.7448



69.4683, 64.6826, 29.9109



# Rectangle

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



44.9180, 64.6826, 50.6750



45.4649, 64.6826, 99.8601



81.6793, 64.6826, 94.7448



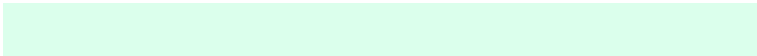
80.8705, 64.6826, 47.4350

# Sweetspot

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



44.9197, 64.6852, 50.6765



80.1982, 92.6804, 92.9883



52.0513, 68.8206, 30.2799



16.7261, 19.6212, 19.4103



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.



44.9197, 64.6852, 50.6765



51.0558, 78.4513, 55.7377



50.8754, 67.0675, 82.0387



14.4678, 16.2006, 16.7282



17.5929, 32.6693, 13.6226



1.3466, 2.4328, 1.2518



# Inverse Universe

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



48.8615, 35.2896, 48.4949



56.5876, 37.1627, 52.6494



44.5314, 33.5576, 25.6928



14.6967, 14.4959, 16.6032



20.5498, 10.3541, 11.7902

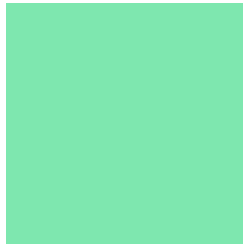


1.5654, 0.7839, 1.1179



# Previews

## White Background



This preview shows how the XYZ color 44.9180, 64.6826, 50.6750 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

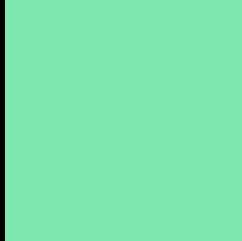
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.9180, 64.6826, 50.6750 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

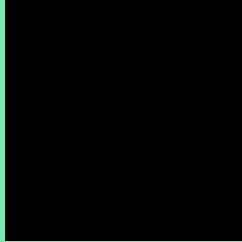
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 44.9180, 64.6826, 50.6750

## Background



This preview shows how black text looks on a background with the XYZ color 44.9180, 64.6826, 50.6750.



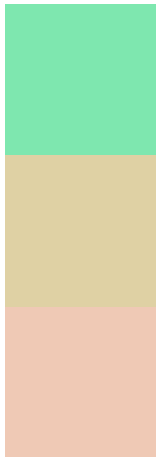
This preview shows how white text looks on a background with the XYZ color 44.9180, 64.6826, 50.6750.

50.6750.

# 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

44.9180, 64.6826, 50.6750

### Protanopia

59.9327, 63.9692, 44.3105

### Deuteranopia

64.8237, 63.4602, 52.5485



## Tritanopia

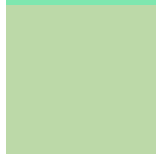
53.0048, 64.2846, 92.0526

# Trichromacy



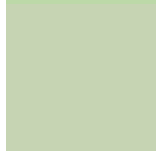
## Original Color

44.9180, 64.6826, 50.6750



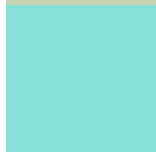
## Protanomaly

52.6198, 63.1442, 46.4605



## Deuteranomaly

54.9689, 62.3474, 51.7849



## Tritanomaly

49.4732, 64.0425, 74.7197

# Monochromacy



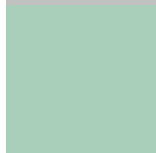
## Original Color

44.9180, 64.6826, 50.6750



## Achromatopsia

50.6879, 53.3276, 58.0738



## Achromatomaly

47.5379, 56.6058, 54.8749

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.9180, 64.6826, 50.6750 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(126, 231, 175)` looks like.

```
.text, #text, p{  
    color:rgb(126, 231, 175)  
}
```

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(126, 231, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 231, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 44.9180, 64.6826, 50.6750 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(126, 231, 175) }
```



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

```
.border{ border-color:rgb(126, 231, 175) }
```

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

Here you see how a box with a 4 pixel rgb(126, 231, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 231, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 231, 175);  
box-shadow:4px 4px 4px 4px rgb(126, 231,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.9180, 64.6826, 50.6750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 231, 175) }
```

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

```
.background{ background-color: rgb(126,  
231, 175) }
```

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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