

# Converting Colors

XYZ(44.4291, 64.3331, 47.2235)

Have a look what the booklet for  
XYZ(44.4291, 64.3331, 47.2235)  
contains.

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# Color

**XYZ(44.5459, 64.5682,  
47.1609)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80E7A8
RGB	128, 231, 168
RGB Percent	50%, 91%, 66%
CMY	0.4980, 0.0941, 0.3412
CMYK	0.45, 0.00, 0.27, 0.09
HSL	143°, 68%, 70%
HSV	143°, 45%, 91%
XYZ	44.5459, 64.5682, 47.1609
YIQ	193.0210, -41.1650, -41.4290

# Conversions

## Conversions Part 2

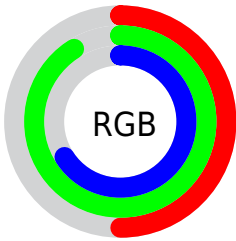
Format	Color
<a href="#">RYB</a>	<a href="#">128, 202, 231</a>
Decimal	<a href="#">8447912</a>
CIELab	<a href="#">84.26, -43.78, 21.54</a>
CIElCh	<a href="#">84, 48.788, 153.800</a>
Yxy	<a href="#">64.5682, 0.2850, 0.4132</a>
Android (android.graphics.Color)	<a href="#">4286637992 (0xFF80E7A8)</a>
YUV	<a href="#">193.0210, -12.3354, -57.0234</a>
Hunter-Lab	<a href="#">80.3543, -41.6654, 21.4500</a>

# Details

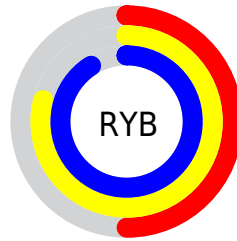
The XYZ color **44.5459, 64.5682, 47.1609** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **50.0803, 36.1903, 53.6385**, and the grayscale version is **50.7899, 53.4349, 58.1906**.

A 20% lighter version of the original color is **69.0869, 87.1620, 82.9947**, and **21.0809, 33.2605, 21.8318** is the 20% darker color. If you saturate the color by 10%, you get **40.2134, 62.4804, 40.4567**, and if you desaturate by 10%, it is **49.8158, 67.1262, 54.6585**.

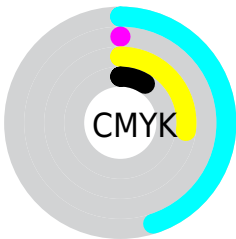
# Distribution



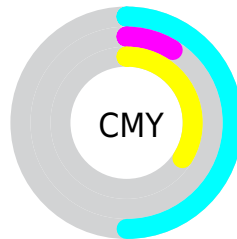
- Red (50%)
- Green (91%)
- Blue (66%)



- Red (50%)
- Yellow (79%)
- Blue (91%)



- Cyan (45%)
- Magenta (0%)
- Yellow (27%)
- Black (9%)




- Cyan (50%)
- Magenta (9%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.5459, 64.5682, 47.1609 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 44.5459, 64.5682, 47.1609 by changing the saturation by 10% instead.





 44.5459, 64.5682,  
47.1609


 44.5459, 64.5682,  
47.1609


355.7460,  
441.2386, 391.8688


 31.2997, 47.1110,  
32.8076


 81.2798, 111.4288,  
87.3062

 20.9801, 33.1234,  
21.7092

 105.4982,  
141.6011, 113.9354

 13.2218, 22.2210,  
13.4471


 134.1047,  
176.7805, 145.4935

 7.6595, 14.0194,  
7.6028


167.4647,  
217.3515, 182.3993

 3.9278, 8.1342,  
3.7578

205.9434,  
263.6984, 225.0711

 1.6614, 4.1809,  
1.4934

249.9063,

 0.4319, 1.7753,

316.2056, 273.9276

0.2130

299.7187,  
375.2576, 329.3873

■ 0.0000, 0.4717,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 44.5459, 64.5682,  
47.1609

■ 44.5459, 64.5682,  
47.1609

■ 40.2134, 62.4804,  
40.4567

■ 49.8158, 67.1262,  
54.6585

■ 36.7542, 60.8251,  
34.5150


■ 56.0715, 70.1737,  
62.9702


■ 34.1041, 59.5714,  
29.3091


■ 63.3642, 73.7382,  
72.1216


■ 32.1868, 58.6806,  
24.8091


■ 71.7399, 77.8431,  
82.1357

 30.9101, 58.1058,  
20.9825

 81.2418, 82.5101,  
93.0346

 30.4102, 57.8875,  
19.1786

 87.5116, 85.4921,  
104.6337

 87.8671, 85.6343,  
106.5057

# Harmonies

## Analogous

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



50.5185, 64.5682, 31.5321



44.5459, 64.5682, 47.1609



42.8792, 64.5682, 74.3228

# Triad

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



44.5459, 64.5682, 47.1609



62.7578, 64.5682, 147.9972



80.3134, 64.5682, 42.1165

# Complementary

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



44.5459, 64.5682, 47.1609



50.0803, 36.1903, 53.6385

# 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.



84.5335, 64.5682, 66.4324



44.5459, 64.5682, 47.1609



73.6741, 64.5682, 132.2786

# Square

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



44.5459, 64.5682, 47.1609



52.6431, 64.5682, 138.3823



81.9726, 64.5682, 99.9967



71.0120, 64.5682, 29.2768



# Rectangle

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



44.5459, 64.5682, 47.1609



44.2493, 64.5682, 97.1651



81.9726, 64.5682, 99.9967



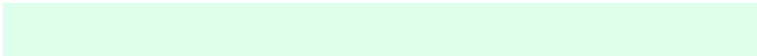
82.4198, 64.5682, 48.9143

# Sweetspot

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



44.5476, 64.5709, 47.1624



80.7937, 93.0081, 92.0821



54.0905, 69.8568, 31.0556



16.8253, 19.6785, 19.1379



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.



44.5476, 64.5709, 47.1624



50.4657, 78.2544, 50.8604



50.2640, 66.8574, 77.2647



14.4199, 16.1814, 16.4758



17.1042, 32.4738, 11.0489



1.3084, 2.4175, 1.0504



# Inverse Universe

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



50.0803, 36.1903, 53.6385



58.2408, 38.2944, 59.9048



45.4109, 34.3225, 29.0498



14.7455, 14.5154, 16.8604



21.2451, 10.6323, 15.4516

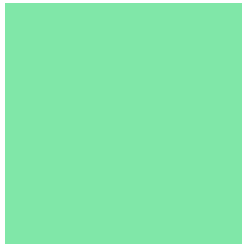


1.6151, 0.8038, 1.3798



# Previews

## White Background



This preview shows how the XYZ color 44.5459, 64.5682, 47.1609 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 44.5459, 64.5682, 47.1609 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 44.5459, 64.5682, 47.1609**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.5459, 64.5682, 47.1609.



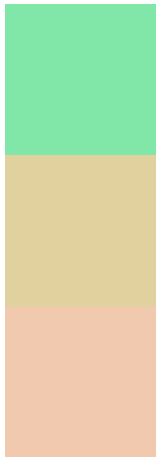
This preview shows how white text looks on a background with the XYZ color 44.5459, 64.5682,



# 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

44.5459, 64.5682, 47.1609

### Protanopia

59.7125, 63.9168, 41.5378

### Deuteranopia

64.9001, 63.5692, 49.4069



## Tritanopia

53.5265, 64.5536, 92.0770

# Trichromacy



## Original Color

44.5459, 64.5682, 47.1609



## Protanomaly

52.3207, 63.0532, 43.5953



## Deuteranomaly

54.8093, 62.3449, 48.1747



## Tritanomaly

49.7103, 64.1944, 73.3891

# Monochromacy



## Original Color

44.5459, 64.5682, 47.1609



## Achromatopsia

50.6879, 53.3276, 58.0738



## Achromatomaly

47.3267, 56.5214, 53.7627

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.5459, 64.5682, 47.1609 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(128, 231, 168)` looks like.

```
.text, #text, p{  
    color:rgb(128, 231, 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(128, 231, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 231, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 44.5459, 64.5682, 47.1609 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(128, 231, 168) }
```



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

```
.border{ border-color:rgb(128, 231, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 231, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 231, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 231, 168); box-shadow:4px 4px 4px 4px rgb(128, 231, 168) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.5459, 64.5682, 47.1609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 231, 168) }
```

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

```
.background{ background-color: rgb(128,  
231, 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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