

# Converting Colors

XYZ(45.3994, 62.5373, 41.4559)

Have a look what the booklet for  
XYZ(45.3994, 62.5373, 41.4559)  
contains.

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# Color

**XYZ(45.5887, 62.7688,  
41.6111)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 96E19D                       |
| RGB         | 150, 225, 157                |
| RGB Percent | 59%, 88%, 62%                |
| CMY         | 0.4118, 0.1176, 0.3843       |
| CMYK        | 0.33, 0.00, 0.30, 0.12       |
| HSL         | 126°, 56%, 74%               |
| HSV         | 126°, 33%, 88%               |
| XYZ         | 45.5887, 62.7688, 41.6111    |
| YIQ         | 194.8230, -22.8720, -37.0480 |

# Conversions

## Conversions Part 2

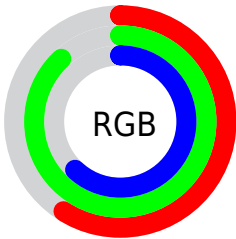
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 150, 219, 225                   |
| Decimal                             | 9888157                         |
| CIELab                              | 83.32, -36.72, 26.10            |
| CIELCh                              | 83, 45.050, 144.587             |
| Yxy                                 | 62.7688, 0.3040,<br>0.4185      |
| Android<br>(android.graphics.Color) | 4288078237<br>(0xFF96E19D)      |
| YUV                                 | 194.8230, -18.6467,<br>-39.3098 |
| Hunter-Lab                          | 79.2268, -35.9343,<br>24.3187   |

# Details

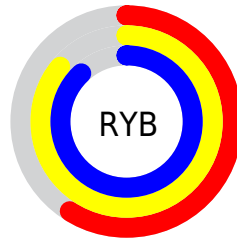
The XYZ color **45.5887, 62.7688, 41.6111** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.6147, 42.8835, 71.7309**, and the grayscale version is **51.8850, 54.5870, 59.4453**.

A 20% lighter version of the original color is **73.0973, 89.3953, 75.6897**, and **21.5616, 31.8827, 18.3822** is the 20% darker color. If you saturate the color by 10%, you get **40.2405, 60.1982, 33.0160**, and if you desaturate by 10%, it is **52.0260, 65.8708, 51.7778**.

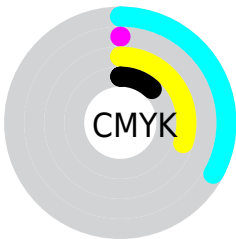
# Distribution



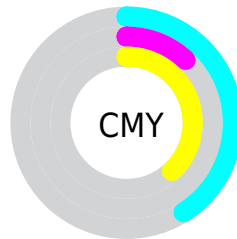
- Red (59%)
- Green (88%)
- Blue (62%)



- Red (59%)
- Yellow (86%)
- Blue (88%)



- Cyan (33%)
- Magenta (0%)
- Yellow (30%)
- Black (12%)




- Cyan (41%)
- Magenta (12%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5887, 62.7688, 41.6111 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 45.5887, 62.7688, 41.6111 by changing the saturation by 10% instead.





 45.5887, 62.7688,  
41.6111


 45.5887, 62.7688,  
41.6111


359.8963,  
434.7299, 368.6203

 32.1246, 45.6542,  
28.4736


 82.8348, 108.8359,  
78.8744

 21.6127, 31.9730,  
18.4408


 107.3474,  
138.5572, 103.8373

 13.6876, 21.3409,  
11.0942


136.2737,  
173.2495, 133.5791

 7.9840, 13.3734,  
6.0153

169.9789,  
213.2972, 168.5183

 4.1364, 7.6862,  
2.7854

208.8285,  
259.0847, 209.0735

 1.7796, 3.8948,  
0.9861

253.1876,

 0.5053, 1.6149,

310.9964, 255.6632

0.0000

303.4218,  
369.4167, 308.7059

0.0000, 0.3676,  
0.0000

0.0000, 0.0000,  
0.0000

45.5887, 62.7688,  
41.6111

45.5887, 62.7688,  
41.6111

40.2405, 60.1982,  
33.0160

52.0260, 65.8708,  
51.7778

35.9163, 58.1218,  
25.9102

59.6029, 69.5234,  
63.5847

32.5519, 56.5101,  
20.2104

68.3728, 73.7543,  
77.1013

30.0737, 55.3271,  
15.8230

78.3840, 78.5872,  
92.3918

■ 28.3970, 54.5314,  
12.6435

■ 86.2165, 82.3329,  
105.9555

■ 27.4209, 54.0734,  
10.5512

■ 27.0618, 53.9071,  
9.6884

# Harmonies

## Analogous

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



52.1614, 62.7688, 30.0935



45.5887, 62.7688, 41.6111



42.8052, 62.7688, 63.3818

# Triad

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



45.5887, 62.7688, 41.6111



57.9009, 62.7688, 137.3363



78.4776, 62.7688, 48.2681

# Complementary

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



45.5887, 62.7688, 41.6111



54.6147, 42.8835, 71.7309

# 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.



80.4432, 62.7688, 73.5598



45.5887, 62.7688, 41.6111



67.8446, 62.7688, 130.0633

# Square

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



45.5887, 62.7688, 41.6111



49.3981, 62.7688, 122.4052



76.3640, 62.7688, 104.6076



71.2526, 62.7688, 33.1354



# Rectangle

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



45.5887, 62.7688, 41.6111



43.2259, 62.7688, 82.8498



76.3640, 62.7688, 104.6076



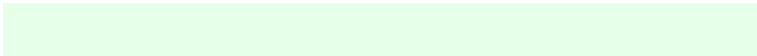
79.8063, 62.7688, 55.6396

# Sweetspot

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



45.5903, 62.7714, 41.6125



82.7814, 94.0798, 90.0509



61.5711, 71.0769, 39.3287



17.3778, 19.9726, 18.7480



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

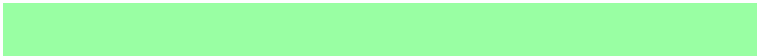


# Same Dimension

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



45.5903, 62.7714, 41.6125



55.4649, 80.9195, 47.1214



49.2142, 64.2210, 60.6957



13.5805, 15.3579, 14.8261



15.6123, 31.0698, 5.6812



1.1002, 2.1608, 0.4890



# Inverse Universe

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



54.6147, 42.8835, 71.7309



69.1859, 50.6643, 92.9028



50.3257, 41.1679, 49.1458



14.2370, 13.9124, 17.0180



24.1970, 11.7458, 34.0327



1.6935, 0.8207, 2.4449



# Previews

## White Background



This preview shows how the XYZ color 45.5887, 62.7688, 41.6111 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 45.5887, 62.7688, 41.6111 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

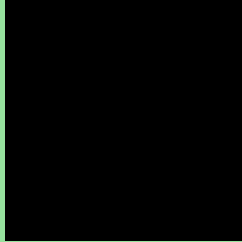
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.5887, 62.7688, 41.6111**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.5887, 62.7688, 41.6111.



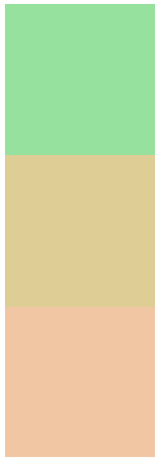
This preview shows how white text looks on a background with the XYZ color 45.5887, 62.7688,

41.6111.

# 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



|                           |
|---------------------------|
| <b>Original Color</b>     |
| 45.5887, 62.7688, 41.6111 |
| <b>Protanopia</b>         |
| 57.6203, 61.8421, 37.3336 |
| <b>Deuteranopia</b>       |
| 63.0806, 61.7333, 43.2413 |



## Tritanopia

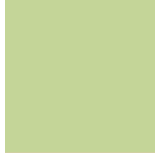
54.3183, 62.3766, 86.2678

# Trichromacy



## Original Color

45.5887, 62.7688, 41.6111



## Protanomaly

52.2267, 61.5913, 38.8414



## Deuteranomaly

55.0013, 61.0949, 42.6118



## Tritanomaly

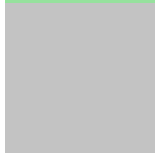
50.6490, 62.4417, 67.1406

# Monochromacy



## Original Color

45.5887, 62.7688, 41.6111



## Achromatopsia

51.8711, 54.5724, 59.4294



## Achromatomaly

49.0022, 57.0625, 52.1475

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.5887, 62.7688, 41.6111 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(150, 225, 157)` looks like.

```
.text, #text, p{  
    color:rgb(150, 225, 157)  
}
```

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(150, 225, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 225, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 45.5887, 62.7688, 41.6111 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(150, 225, 157) }
```



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

```
.border{ border-color:rgb(150, 225, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 225, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 225, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 225, 157);  
box-shadow:4px 4px 4px 4px rgb(150, 225,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.5887, 62.7688, 41.6111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 225, 157) }
```

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

```
.background{ background-color: rgb(150,  
225, 157) }
```

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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