

# Converting Colors

XYZ(45.5057, 60.9000, 32.5341)

Have a look what the booklet for  
XYZ(45.5057, 60.9000, 32.5341)  
contains.

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# **Color**

**XYZ(45.5542, 60.9633,  
32.6587)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>                |
|---------------|-----------------------------|
| Hex           | A5DC88                      |
| RGB           | 165, 220, 136               |
| RGB Percent   | 65%, 86%, 53%               |
| CMY           | 0.3529, 0.1372, 0.4667      |
| CMYK          | 0.25, 0.00, 0.38, 0.14      |
| HSL           | 99°, 55%, 70%               |
| HSV           | 99°, 38%, 86%               |
| XYZ           | 45.5542, 60.9633, 32.6587   |
| YIQ           | 193.9790, -5.8160, -37.7840 |

# Conversions

## Conversions Part 2

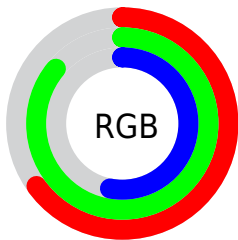
| <b>Format</b>                       | <b>Color</b>                                     |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">136, 220, 191</a>                    |
| Decimal                             | <a href="#">10869896</a>                         |
| CIELab                              | <a href="#">82.36, -32.67, 35.71</a>             |
| CIELCh                              | <a href="#">82, 48.397, 132.457</a>              |
| Yxy                                 | <a href="#">60.9633, 0.3273,<br/>0.4380</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4289059976<br/>(0xFFA5DC88)</a>      |
| YUV                                 | <a href="#">193.9790, -28.5836,<br/>-25.4146</a> |
| Hunter-Lab                          | <a href="#">78.0790, -32.4947,<br/>29.8556</a>   |

# Details

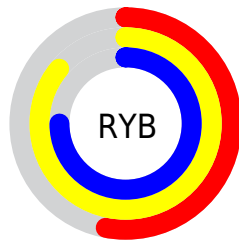
The XYZ color **45.5542, 60.9633, 32.6587** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **43.2109, 33.8538, 71.9704**, and the grayscale version is **51.4334, 54.1119, 58.9279**.

A 20% lighter version of the original color is **74.8731, 90.6099, 62.2584**, and **21.6504, 30.9457, 13.4263** is the 20% darker color. If you saturate the color by 10%, you get **41.3193, 58.9444, 25.1198**, and if you desaturate by 10%, it is **50.4507, 63.2898, 41.9062**.

# Distribution



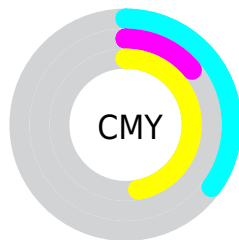
- Red (65%)
- Green (86%)
- Blue (53%)



- Red (53%)
- Yellow (86%)
- Blue (75%)



- Cyan (25%)
- Magenta (0%)
- Yellow (38%)
- Black (14%)




- Cyan (35%)
- Magenta (14%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5542, 60.9633, 32.6587 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 45.5542, 60.9633, 32.6587 by changing the saturation by 10% instead.





 45.5542, 60.9633,  
32.6587

 45.5542, 60.9633,  
32.6587


359.7595,  
428.1394, 328.6937


 32.0973, 44.1956,  
21.5961


 82.7834, 106.2258,  
64.9522

 21.5917, 30.8243,  
13.3650


 107.2864,  
135.4893, 87.0202

 13.6721, 20.4651,  
7.5467


 136.2021,  
169.6869, 113.5937

 7.9732, 12.7336,  
3.7227

169.8960,  
209.2030, 145.0913

 4.1294, 7.2453,  
1.4745

208.7333,  
254.4218, 181.9316

 1.7756, 3.6160,  
0.1988

253.0794,

 0.5029, 1.4612,

305.7279, 224.5331

0.0000

303.2997,  
363.5057, 273.3143

■ 0.0000, 0.2612,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 45.5542, 60.9633,  
32.6587

■ 45.5542, 60.9633,  
32.6587

■ 41.3193, 58.9444,  
25.1198

■ 50.4507, 63.2898,  
41.9062

■ 37.7104, 57.2117,  
19.1810


■ 56.0330, 65.9288,  
52.9541


■ 34.6954, 55.7529,  
14.7273


■ 62.3293, 68.8948,  
65.8925


■ 32.2369, 54.5515,  
11.6268


■ 69.3652, 72.1992,  
80.8040


 30.2922, 53.5892,  
9.7245

 77.1646, 75.8526,  
97.7667

 28.8048, 52.8414,  
8.7961

 83.5851, 78.9990,  
105.4507

 28.5707, 52.7232,  
8.6708

 84.8844, 79.6689,  
105.5115

# Harmonies

## Analogous

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



53.7678, 60.9633, 24.9135



45.5542, 60.9633, 32.6587



41.0077, 60.9633, 50.6803

# Triad

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



45.5542, 60.9633, 32.6587



52.1661, 60.9633, 136.6491



79.5603, 60.9633, 54.8587

# Complementary

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



45.5542, 60.9633, 32.6587



43.2109, 33.8538, 71.9704

# 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.



78.9987, 60.9633, 85.0240



45.5542, 60.9633, 32.6587



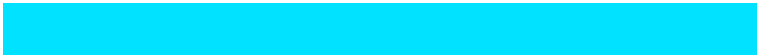
62.3306, 60.9633, 138.7719

# Square

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



45.5542, 60.9633, 32.6587



44.5020, 60.9633, 112.6070



72.3978, 60.9633, 117.7549



73.8516, 60.9633, 34.9315



# Rectangle

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



45.5542, 60.9633, 32.6587



40.2935, 60.9633, 68.8454



72.3978, 60.9633, 117.7549



80.1162, 60.9633, 63.9716

# Sweetspot

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



45.5557, 60.9659, 32.6600



84.4209, 95.0047, 86.5252



52.5053, 54.0831, 30.9652



17.8080, 20.2118, 17.9800



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

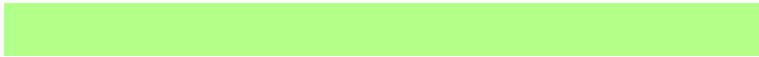


# Same Dimension

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



45.5557, 60.9659, 32.6600



58.7301, 82.8341, 36.8242



41.1413, 58.5806, 37.4066



13.3083, 14.8237, 13.8854



16.8754, 30.9970, 5.0936



1.1841, 2.0550, 0.3342



# Inverse Universe

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



43.2109, 33.8538, 71.9704



54.9753, 39.6836, 99.3699



49.6331, 37.3502, 63.8844



13.1553, 13.0382, 16.4754



14.4615, 6.5794, 40.2461



1.0282, 0.4733, 2.6116



# Previews

## White Background



This preview shows how the XYZ color 45.5542, 60.9633, 32.6587 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 45.5542, 60.9633, 32.6587 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 45.5542, 60.9633, 32.6587**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.5542, 60.9633, 32.6587.



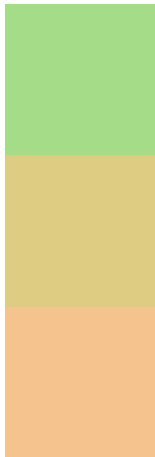
This preview shows how white text looks on a background with the XYZ color 45.5542, 60.9633,



# 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

45.5542, 60.9633, 32.6587

### Protanopia

55.7463, 60.3270, 29.8252

### Deuteranopia

61.7058, 60.2163, 33.9618



## Tritanopia

55.1183, 60.6756, 80.7580

# Trichromacy



## Original Color

45.5542, 60.9633, 32.6587

## Protanomaly

51.2988, 60.1766, 30.7413

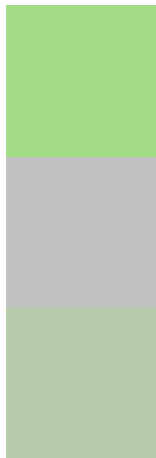
## Deuteranomaly

54.3508, 59.5263, 33.4361

## Tritanomaly

50.8754, 60.4374, 59.4362

# Monochromacy



## Original Color

45.5542, 60.9633, 32.6587

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

48.4272, 55.7963, 47.7525

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.5542, 60.9633, 32.6587 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(165, 220, 136)` looks like.

```
.text, #text, p{  
    color:rgb(165, 220, 136)  
}
```

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(165, 220, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 220, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 45.5542, 60.9633, 32.6587 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(165, 220, 136) }
```



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

```
.border{ border-color:rgb(165, 220, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 220, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 220, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 220, 136);  
box-shadow:4px 4px 4px 4px rgb(165, 220,  
136) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.5542, 60.9633, 32.6587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 220, 136) }
```

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

```
.background{ background-color: rgb(165,  
220, 136) }
```

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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