

# Converting Colors

XYZ(63.5423, 82.8310, 73.3709)

Have a look what the booklet for  
XYZ(63.5423, 82.8310, 73.3709)  
contains.

<b>XYZ(63.3636, 82.5317, 73.5634)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(63.3636, 82.5317,  
73.5634)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADFBD2
RGB	173, 251, 210
RGB Percent	68%, 98%, 82%
CMY	0.3216, 0.0157, 0.1765
CMYK	0.31, 0.00, 0.16, 0.02
HSL	148°, 91%, 83%
HSV	148°, 31%, 98%
XYZ	63.3636, 82.5317, 73.5634
YIQ	223.0040, -33.3270, -29.2870

# Conversions

## Conversions Part 2

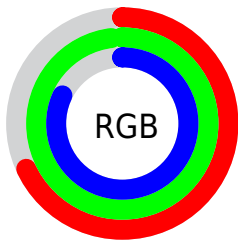
Format	Color
<a href="#">RYB</a>	<a href="#">173, 226, 251</a>
Decimal	<a href="#">11402194</a>
CIELab	<a href="#">92.81, -32.22, 12.11</a>
CIELCh	<a href="#">93, 34.416, 159.404</a>
Yxy	<a href="#">82.5317, 0.2887, 0.3761</a>
Android (android.graphics.Color)	<a href="#">4289592274 (0xFFADFBD2)</a>
YUV	<a href="#">223.0040, -6.4110, -43.8535</a>
Hunter-Lab	<a href="#">90.8470, -34.4827, 15.5827</a>

# Details

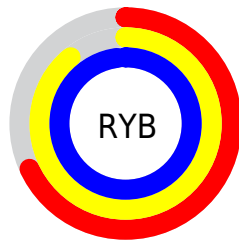
The XYZ color **63.3636, 82.5317, 73.5634** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66.8676, 55.2534, 70.7623**, and the grayscale version is **70.2050, 73.8611, 80.4347**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **32.6794, 44.8017, 37.9356** is the 20% darker color. If you saturate the color by 10%, you get **56.7497, 79.3065, 65.0246**, and if you desaturate by 10%, it is **71.1602, 86.3554, 82.8686**.

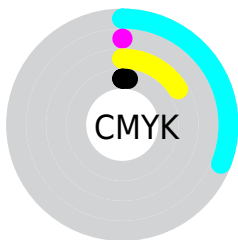
# Distribution



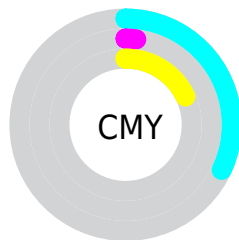
- Red (68%)
- Green (98%)
- Blue (82%)



- Red (68%)
- Yellow (89%)
- Blue (98%)



- Cyan (31%)
- Magenta (0%)
- Yellow (16%)
- Black (2%)




- Cyan (32%)
- Magenta (2%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3636, 82.5317, 73.5634 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 63.3636, 82.5317, 73.5634 by changing the saturation by 10% instead.




 63.3636, 82.5317,  
73.5634

 63.3636, 82.5317,  
73.5634


426.5266,  
503.4245, 492.0882

 46.3952, 61.8039,  
53.9421


 108.7728,  
136.9194, 126.0050

 32.7637, 44.8743,  
38.1625


137.9442,  
171.3480, 159.6625

 22.1039, 31.3584,  
25.8061


171.9141,  
211.1125, 198.8357

 14.0503, 20.8719,  
16.4541

211.0477,  
256.5970, 243.9434

 8.2376, 13.0304,  
9.6883

255.7104,  
308.1861, 295.4039

 4.3004, 7.4495,  
5.0899

306.2675,


 1.8735, 3.7448,


366.2641, 353.6358

2.2404


363.0845,  
431.2154, 419.0577


 0.5613, 1.5318,  
0.6976


 0.0000, 0.3110,  
0.0000


 63.3636, 82.5317,  
73.5634


 63.3636, 82.5317,  
73.5634


 56.7497, 79.3065,  
65.0246


 71.1602, 86.3554,  
82.8686

 51.2499, 76.6382,  
57.2268

 80.1899, 90.7965,  
92.9538

 46.7989, 74.4956,  
50.1510

 90.5081, 95.8855,  
103.8390

 43.3212, 72.8403,  
43.7754

 93.7887, 97.4774,  
108.4796

■ 40.7305, 71.6282,  
38.0768

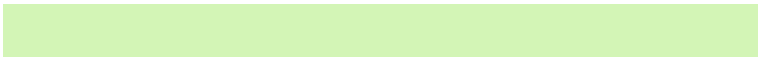
■ 38.9241, 70.8068,  
33.0302

■ 37.8322, 70.3308,  
29.0536

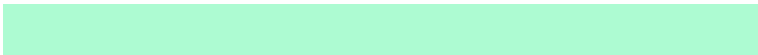
# Harmonies

## Analogous

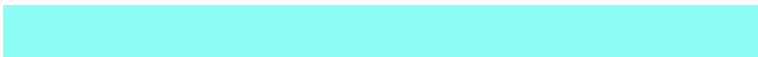
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.9845, 82.5317, 56.8088



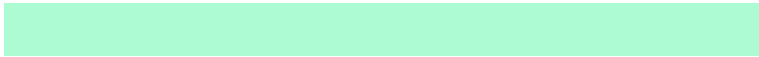
63.3636, 82.5317, 73.5634



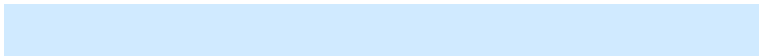
62.6105, 82.5317, 98.1884

# Triad

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



63.3636, 82.5317, 73.5634



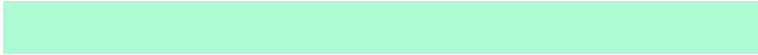
81.2994, 82.5317, 148.0196



92.5585, 82.5317, 61.9825

# Complementary

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



63.3636, 82.5317, 73.5634



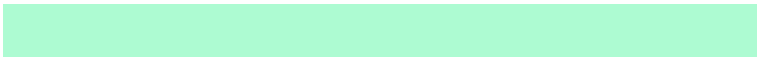
66.8676, 55.2534, 70.7623

# 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.



96.7441, 82.5317, 82.0220



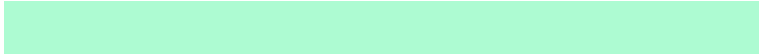
63.3636, 82.5317, 73.5634



89.9245, 82.5317, 133.7516

# Square

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



63.3636, 82.5317, 73.5634



72.5244, 82.5317, 144.5647



95.7450, 82.5317, 108.4082

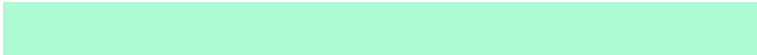


84.6770, 82.5317, 51.0621



# Rectangle

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



63.3636, 82.5317, 73.5634



64.3406, 82.5317, 116.3972



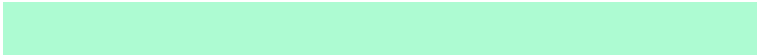
95.7450, 82.5317, 108.4082



94.4707, 82.5317, 67.7028

# Sweetspot

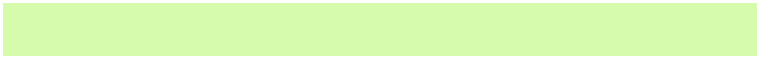
The Sweet Spot groups the original color and five complimentary colors.



63.3659, 82.5351, 73.5653



85.2230, 95.1514, 98.6178



69.9498, 86.4017, 52.5267



17.9234, 20.2097, 20.7661



0.0000, 0.0000, 0.0000

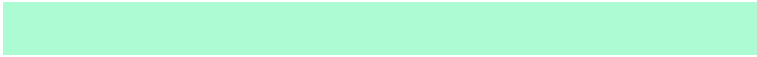


20.3446, 21.4041, 23.3091



# Same Dimension

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



63.3659, 82.5351, 73.5653



61.4558, 83.4881, 70.8895



68.7389, 84.6843, 101.8593



17.3602, 19.4463, 20.0973



19.9577, 36.9961, 15.6526



1.9016, 3.4477, 1.7296



# Inverse Universe

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



66.8676, 55.2534, 70.7623



65.5873, 51.2930, 67.5772



62.5265, 53.5169, 47.9025



17.6258, 17.3777, 19.8853



23.1732, 11.6850, 12.8866

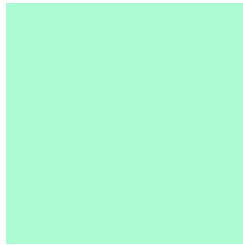


2.1998, 1.1037, 1.4758



# Previews

## White Background



This preview shows how the XYZ color 63.3636, 82.5317, 73.5634 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 63.3636, 82.5317, 73.5634 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

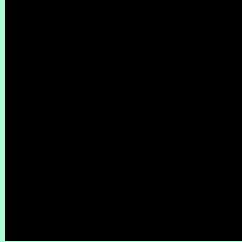
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 63.3636, 82.5317, 73.5634

## Background



This preview shows how black text looks on a background with the XYZ color 63.3636, 82.5317, 73.5634.



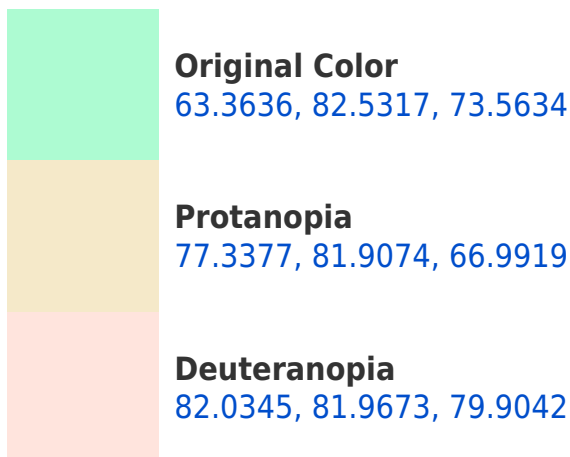
This preview shows how white text looks on a background with the XYZ color 63.3636, 82.5317,

73.5634.

# 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





## **Tritanopia**

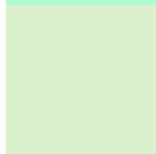
73.3247, 82.4100, 106.6498

# Trichromacy



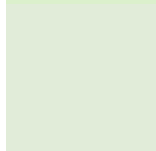
## Original Color

63.3636, 82.5317, 73.5634



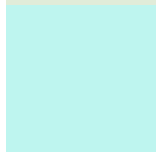
## Protanomaly

71.2726, 81.7399, 69.1476



## Deuteranomaly

73.5712, 81.0082, 77.4042



## Tritanomaly

69.4676, 82.4840, 93.9210

# Monochromacy



## Original Color

63.3636, 82.5317, 73.5634



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

66.9706, 76.3189, 77.5310

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.3636, 82.5317, 73.5634 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(173, 251, 210)` looks like.

```
.text, #text, p{  
    color:rgb(173, 251, 210)  
}
```

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(173, 251, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 251, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 63.3636, 82.5317, 73.5634 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(173, 251, 210) }
```



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

```
.border{ border-color:rgb(173, 251, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 251, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 251, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 251, 210);  
box-shadow:4px 4px 4px 4px rgb(173, 251,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.3636, 82.5317, 73.5634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 251, 210) }
```

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

```
.background{ background-color: rgb(173,  
251, 210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor