

# Converting Colors

XYZ(52.3638, 65.2221, 67.0619)

Have a look what the booklet for  
XYZ(52.3638, 65.2221, 67.0619)  
contains.

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# Color

**XYZ(52.4550, 65.3523,  
66.9763)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2E0CC
RGB	162, 224, 204
RGB Percent	64%, 88%, 80%
CMY	0.3647, 0.1216, 0.2000
CMYK	0.28, 0.00, 0.09, 0.12
HSL	161°, 50%, 76%
HSV	161°, 28%, 88%
XYZ	52.4550, 65.3523, 66.9763
YIQ	203.1820, -30.5320, -19.3640

# Conversions

## Conversions Part 2

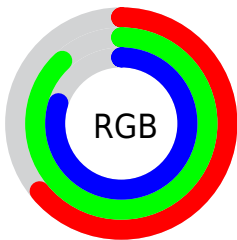
Format	Color
<b>RYB</b>	162, 199, 224
Decimal	10674380
CIELab	84.66, -23.77, 3.47
CIElCh	85, 24.024, 171.699
Yxy	65.3523, 0.2839, 0.3537
Android (android.graphics.Color)	4288864460 (0xFFA2E0CC)
YUV	203.1820, 0.4033, -36.1166
Hunter-Lab	80.8408, -25.6484, 7.4670

# Details

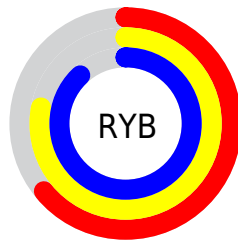
The XYZ color **52.4550, 65.3523, 66.9763** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.1065, 45.0670, 50.2111**, and the grayscale version is **56.8918, 59.8546, 65.1817**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **25.8773, 33.7661, 34.0078** is the 20% darker color. If you saturate the color by 10%, you get **47.4573, 62.8755, 62.3231**, and if you desaturate by 10%, it is **58.3071, 68.2684, 71.8822**.

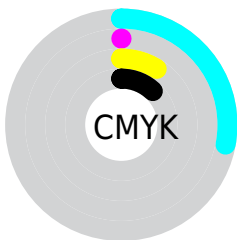
# Distribution



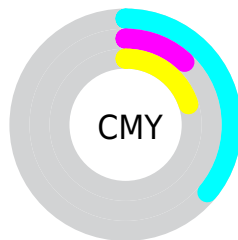
- Red (64%)
- Green (88%)
- Blue (80%)



- Red (64%)
- Yellow (78%)
- Blue (88%)



- Cyan (28%)
- Magenta (0%)
- Yellow (9%)
- Black (12%)




- Cyan (36%)
- Magenta (12%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4550, 65.3523, 66.9763 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 52.4550, 65.3523, 66.9763 by changing the saturation by 10% instead.





 52.4550, 65.3523,  
66.9763

 52.4550, 65.3523,  
66.9763


386.4858,  
444.0569, 468.3596

 37.5936, 47.7468,  
48.6039


 92.9722, 112.5562,  
116.5268

 25.8432, 33.6264,  
33.9420


 119.3587,  
142.9234, 148.5419

 16.8384, 22.6068,  
22.5720


150.3176,  
178.3133, 185.9417

 10.2140, 14.3034,  
14.0755

186.2143,  
219.1103, 229.1447

 5.6044, 8.3320,  
8.0338

227.4141,  
265.6987, 278.5695

 2.6444, 4.3081,  
4.0285


274.2824,

 0.9686, 1.8474,

318.4630, 334.6345


1.6410


327.1845,  
377.7876, 397.7584


 0.0000, 0.5164,  
0.3198


 0.0000, 0.0000,  
0.0000


 52.4550, 65.3523,  
66.9763


 52.4550, 65.3523,  
66.9763


 47.4573, 62.8755,  
62.3231


 58.3071, 68.2684,  
71.8822


 43.2650, 60.8075,  
57.9135

 65.0485, 71.6365,  
77.0411

 39.8323, 59.1266,  
53.7436

 72.7187, 75.4787,  
82.4589

 37.1065, 57.8057,  
49.8082

 81.3533, 79.8132,  
88.1399

■ 35.0278, 56.8140,  
46.1015

■ 83.6451, 80.8730,  
93.7448

■ 33.5263, 56.1155,  
42.6171

■ 84.7412, 81.3114,  
99.5169

■ 32.5060, 55.6609,  
39.3474

■ 85.8806, 81.7672,  
105.5169

■ 32.3029, 55.5721,  
38.6172

■ 85.9468, 81.7937,  
105.8656

# Harmonies

## Analogous

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



54.3652, 65.3523, 54.3697



52.4550, 65.3523, 66.9763



53.0136, 65.3523, 82.6515

# Triad

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



52.4550, 65.3523, 66.9763



66.0088, 65.3523, 102.2950



68.7321, 65.3523, 50.3962

# Complementary

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



52.4550, 65.3523, 66.9763



52.1065, 45.0670, 50.2111

# 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.



72.2035, 65.3523, 60.7819



52.4550, 65.3523, 66.9763



70.5693, 65.3523, 91.0878

# Square

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



52.4550, 65.3523, 66.9763



60.6377, 65.3523, 104.5847



72.8945, 65.3523, 75.5093



63.6169, 65.3523, 45.7402



# Rectangle

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



52.4550, 65.3523, 66.9763



54.7259, 65.3523, 92.6797



72.8945, 65.3523, 75.5093



70.1419, 65.3523, 53.2554

# Sweetspot

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



52.4568, 65.3550, 66.9778



86.8973, 95.9175, 103.0818



52.6285, 65.9492, 44.1391



18.2909, 20.3759, 21.8350



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

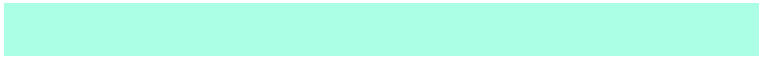


# Same Dimension

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



52.4568, 65.3550, 66.9778



66.5050, 85.7543, 86.3382



52.3192, 60.9903, 79.5389



13.9186, 15.4932, 16.6067



18.8565, 32.3675, 22.7652



1.3474, 2.2597, 1.7908



# Inverse Universe

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



52.1065, 45.0670, 50.2111



65.9674, 54.4063, 60.4494



52.0801, 48.0898, 40.7207



13.8886, 13.7731, 15.1834



18.6258, 9.5173, 4.6954

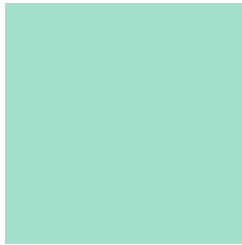


1.3310, 0.6757, 0.5361



# Previews

## White Background



This preview shows how the XYZ color 52.4550, 65.3523, 66.9763 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

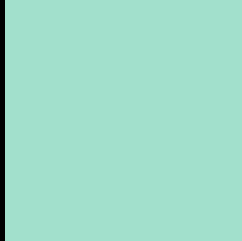
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.4550, 65.3523, 66.9763 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

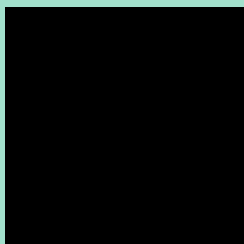
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

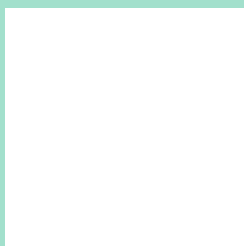
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.4550, 65.3523, 66.9763**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.4550, 65.3523, 66.9763.



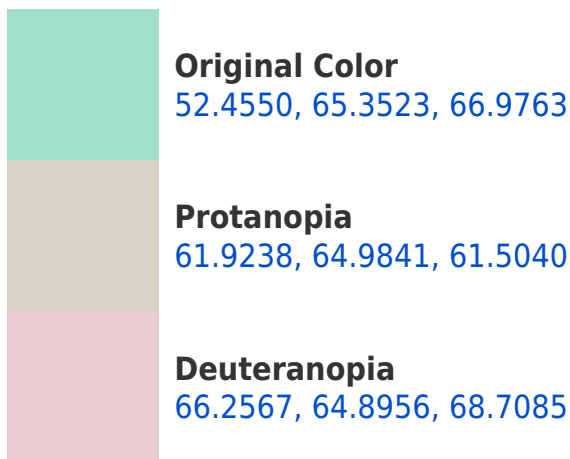
This preview shows how white text looks on a background with the XYZ color 52.4550, 65.3523,



# 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

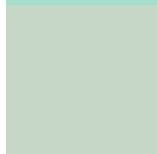
56.9798, 65.2125, 89.7049

# Trichromacy



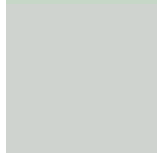
## Original Color

52.4550, 65.3523, 66.9763



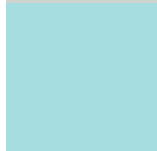
## Protanomaly

57.8979, 64.7302, 63.4755



## Deuteranomaly

60.2889, 64.3589, 68.2764



## Tritanomaly

55.1729, 65.2561, 80.9219

# Monochromacy



## Original Color

52.4550, 65.3523, 66.9763



## Achromatopsia

56.7640, 59.7202, 65.0353



## Achromatomaly

54.8128, 61.5917, 65.4994

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.4550, 65.3523, 66.9763 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(162, 224, 204)` looks like.

```
.text, #text, p{  
    color:rgb(162, 224, 204)  
}
```

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(162, 224, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 224, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 52.4550, 65.3523, 66.9763 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(162, 224, 204) }
```



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

```
.border{ border-color:rgb(162, 224, 204) }
```

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

Here you see how a box with a 4 pixel rgb(162, 224, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 224, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 224, 204);  
box-shadow:4px 4px 4px 4px rgb(162, 224,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.4550, 65.3523, 66.9763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 224, 204) }
```

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

```
.background{ background-color: rgb(162,  
224, 204) }
```

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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