

# Converting Colors

XYZ(52.5043, 66.0070, 57.0212)

Have a look what the booklet for  
XYZ(52.5043, 66.0070, 57.0212)  
contains.

<b>XYZ(52.4724, 65.9843, 56.9844)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(52.4724, 65.9843,  
56.9844)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAE1BB
RGB	170, 225, 187
RGB Percent	67%, 88%, 73%
CMY	0.3333, 0.1176, 0.2667
CMYK	0.24, 0.00, 0.17, 0.12
HSL	139°, 48%, 77%
HSV	139°, 24%, 88%
XYZ	52.4724, 65.9843, 56.9844
YIQ	204.2230, -20.5820, -23.4780

# Conversions

## Conversions Part 2

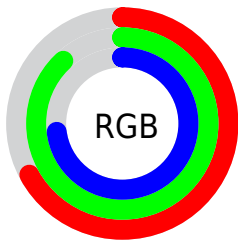
Format	Color
<a href="#">RYB</a>	<a href="#">170, 212, 225</a>
Decimal	<a href="#">11198907</a>
CIELab	<a href="#">84.99, -25.12, 12.94</a>
CIELCh	<a href="#">85, 28.260, 152.740</a>
Yxy	<a href="#">65.9843, 0.2991, 0.3761</a>
Android (android.graphics.Color)	<a href="#">4289388987</a> ( <a href="#">0xFFAAE1BB</a> )
YUV	<a href="#">204.2230, -8.4909, -30.0136</a>
Hunter-Lab	<a href="#">81.2307, -26.8486, 15.2688</a>

# Details

The XYZ color **52.4724, 65.9843, 56.9844** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **56.8135, 49.3126, 66.2011**, and the grayscale version is **57.5983, 60.5979, 65.9911**.

A 20% lighter version of the original color is **83.3017, 94.1598, 98.5782**, and **26.0139, 34.2526, 27.7946** is the 20% darker color. If you saturate the color by 10%, you get **46.4434, 63.0601, 48.4803**, and if you desaturate by 10%, it is **59.5177, 69.4153, 66.4794**.

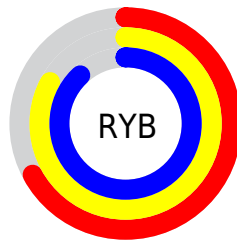
# Distribution



Red (67%)

Green (88%)

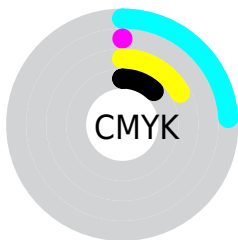
Blue (73%)



Red (67%)

Yellow (83%)

Blue (88%)

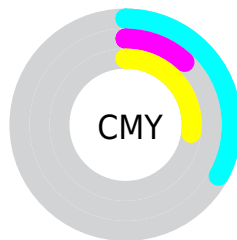


Cyan (24%)

Magenta (0%)

Yellow (17%)

Black (12%)



Cyan (33%)

Magenta (12%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4724, 65.9843, 56.9844 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 52.4724, 65.9843, 56.9844 by changing the saturation by 10% instead.



■ 52.4724, 65.9843,  
56.9844

■ 52.4724, 65.9843,  
56.9844

386.5517,  
446.3207, 430.8830

■ 37.6075, 48.2597,  
40.5834

■ 92.9977, 113.4638,  
101.9425

■ 25.8541, 34.0326,  
27.6765

119.3888,  
143.9874, 131.3368

■ 16.8466, 22.9186,  
17.8450

150.3527,  
179.5462, 165.8992

■ 10.2198, 14.5334,  
10.6705

186.2548,  
220.5245, 206.0484

■ 5.6083, 8.4926,  
5.7344

227.4604,  
267.3067, 252.2028

■ 2.6468, 4.4117,  
2.6181


274.3348,

■ 0.9699, 1.9064,


320.2772, 304.7810


0.9018


327.2435,  
379.8204, 364.2015


 0.0000, 0.5522,  
0.0000


 0.0000, 0.0000,  
0.0000


 52.4724, 65.9843,  
56.9844


 52.4724, 65.9843,  
56.9844


 46.4434, 63.0601,  
48.4803


 59.5177, 69.4153,  
66.4794

 41.3771, 60.6102,  
40.9306

 67.6187, 73.3672,  
76.9915

 37.2233, 58.6112,  
34.3031

 76.8193, 77.8640,  
88.5514

 33.9247, 57.0344,  
28.5618

 85.2944, 81.9641,  
101.0998

■ 31.4174, 55.8475,  
23.6686

■ 86.2165, 82.3329,  
105.9555

■ 29.6276, 55.0135,  
19.5824

■ 28.4667, 54.4874,  
16.2583

■ 28.0176, 54.2894,  
14.7215

# Harmonies

## Analogous

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



56.3391, 65.9843, 46.2550



52.4724, 65.9843, 56.9844



51.2893, 65.9843, 73.5311

# Triad

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



52.4724, 65.9843, 56.9844



63.3019, 65.9843, 112.7592



73.5617, 65.9843, 54.5382

# Complementary

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



52.4724, 65.9843, 56.9844



56.8135, 49.3126, 66.2011

# 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.



75.7253, 65.9843, 70.1862



52.4724, 65.9843, 56.9844



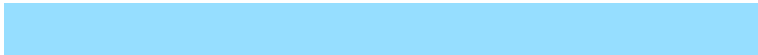
69.5570, 65.9843, 105.4705

# Square

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



52.4724, 65.9843, 56.9844



57.2861, 65.9843, 107.6455



74.2131, 65.9843, 89.0892



68.4788, 65.9843, 45.0193



# Rectangle

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



52.4724, 65.9843, 56.9844



52.1118, 65.9843, 86.2344



74.2131, 65.9843, 89.0892



74.6695, 65.9843, 59.1537

# Sweetspot

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



52.4742, 65.9871, 56.9859



86.8626, 96.0013, 98.4826



60.3366, 70.2383, 48.4082



18.4483, 20.4780, 20.8940



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

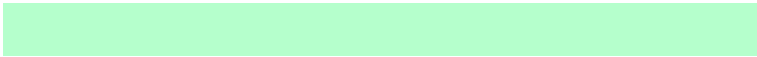


# Same Dimension

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



52.4742, 65.9871, 56.9859



65.7157, 85.7050, 70.1471



55.6425, 67.2544, 73.6697



13.7024, 15.4067, 15.4679



16.1904, 31.3010, 8.7257



1.1615, 2.1853, 0.8116



# Inverse Universe

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



56.8135, 49.3126, 66.2011



72.3599, 60.1624, 84.2496



53.7685, 48.0946, 50.1665



14.1052, 13.8597, 16.3243



21.3793, 10.6187, 19.1949

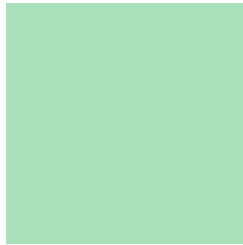


1.5215, 0.7519, 1.5389



# Previews

## White Background



This preview shows how the XYZ color 52.4724, 65.9843, 56.9844 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

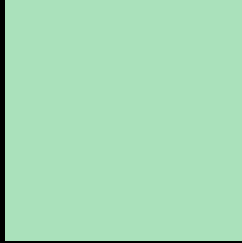
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.4724, 65.9843, 56.9844 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

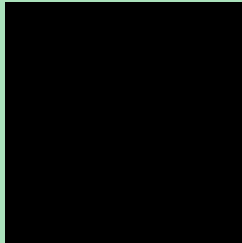
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.4724, 65.9843, 56.9844**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.4724, 65.9843, 56.9844.



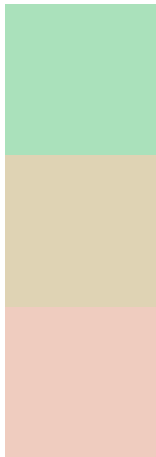
This preview shows how white text looks on a background with the XYZ color 52.4724, 65.9843,



# 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

52.4724, 65.9843, 56.9844

### Protanopia

61.9639, 65.5718, 52.5708

### Deuteranopia

66.5934, 65.2980, 58.3841



## **Tritanopia**

58.8021, 65.7826, 88.9550

# Trichromacy



## Original Color

52.4724, 65.9843, 56.9844

## Protanomaly

58.0049, 65.3680, 54.3598

## Deuteranomaly

60.5693, 65.1008, 58.0886

## Tritanomaly

56.4158, 66.0050, 76.0965

# Monochromacy



## Original Color

52.4724, 65.9843, 56.9844

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

55.4748, 62.3707, 62.5410

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.4724, 65.9843, 56.9844 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(170, 225, 187)` looks like.

```
.text, #text, p{  
    color:rgb(170, 225, 187)  
}
```

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(170, 225, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 225, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 52.4724, 65.9843, 56.9844 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(170, 225, 187) }
```



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

```
.border{ border-color:rgb(170, 225, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 225, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 225, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 225, 187);  
box-shadow:4px 4px 4px 4px rgb(170, 225,  
187) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.4724, 65.9843, 56.9844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 225, 187) }
```

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

```
.background{ background-color: rgb(170,  
225, 187) }
```

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