

# Converting Colors

XYZ(53.5285, 65.1904, 65.3967)

Have a look what the booklet for  
XYZ(53.5285, 65.1904, 65.3967)  
contains.

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# Color

**XYZ(53.5765, 65.1647,  
65.6314)**

# Conversions

Conversions Part 1	
Format	Color
Hex	ABDECA
RGB	171, 222, 202
RGB Percent	67%, 87%, 79%
CMY	0.3294, 0.1294, 0.2078
CMYK	0.23, 0.00, 0.09, 0.13
HSL	156°, 44%, 77%
HSV	156°, 23%, 87%
XYZ	53.5765, 65.1647, 65.6314
YIQ	204.4710, -23.9760, -17.0320

# Conversions

## Conversions Part 2

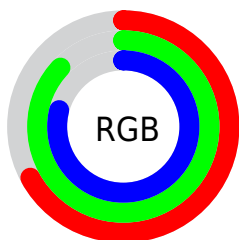
Format	Color
<a href="#">RYB</a>	<a href="#">171, 203, 222</a>
Decimal	<a href="#">11263690</a>
CIELab	<a href="#">84.57, -20.45, 4.45</a>
CIELCh	<a href="#">85, 20.933, 167.731</a>
Yxy	<a href="#">65.1647, 0.2906, 0.3534</a>
Android (android.graphics.Color)	<a href="#">4289453770</a> (0xFFABDECA)
YUV	<a href="#">204.4710, -1.2182, -29.3541</a>
Hunter-Lab	<a href="#">80.7247, -22.7987, 8.3028</a>

# Details

The XYZ color **53.5765, 65.1647, 65.6314** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.0933, 48.4186, 55.7876**, and the grayscale version is **57.7123, 60.7179, 66.1218**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **26.6352, 33.6271, 33.1038** is the 20% darker color. If you saturate the color by 10%, you get **48.1393, 62.4792, 60.1472**, and if you desaturate by 10%, it is **59.8877, 68.2975, 71.4629**.

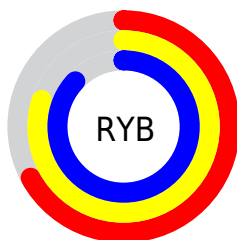
# Distribution



Red (67%)

Green (87%)

Blue (79%)



Red (67%)

Yellow (80%)

Blue (87%)

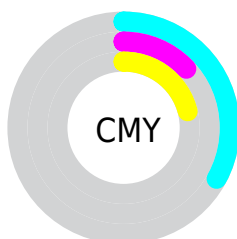


Cyan (23%)

Magenta (0%)

Yellow (9%)

Black (13%)



Cyan (33%)

Magenta (13%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.5765, 65.1647, 65.6314 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 53.5765, 65.1647, 65.6314 by changing the saturation by 10% instead.




 53.5765, 65.1647,  
65.6314

 53.5765, 65.1647,  
65.6314


390.7178,  
443.3836, 463.4257

 38.4925, 47.5946,  
47.5187

 94.6127, 112.2866,  
114.5791

 26.5441, 33.5060,  
33.0886


121.2956,  
142.6073, 146.2511

 17.3659, 22.5143,  
21.9226


152.5755,  
177.9469, 183.2799

 10.5927, 14.2353,  
13.6023

188.8178,  
218.6899, 226.0842

 5.8589, 8.2845,  
7.7090

230.3878,  
265.2207, 275.0823

 2.7993, 4.2775,  
3.8242


277.6509,


 1.0485, 1.8300,


317.9236, 330.6929

1.5294


330.9724,  
377.1831, 393.3345

 0.0000, 0.5058,  
0.2397


 0.0000, 0.0000,  
0.0000


 53.5765, 65.1647,  
65.6314


 53.5765, 65.1647,  
65.6314


 48.1393, 62.4792,  
60.1472


 59.8877, 68.2975,  
71.4629


 43.5291, 60.2118,  
54.9991


 67.1062, 71.8894,  
77.6440


 39.7027, 58.3419,  
50.1813


 75.2698, 75.9617,  
84.1826

 36.6108, 56.8442,  
45.6863


 82.6235, 79.6093,  
91.0012


 34.1978, 55.6903,  
41.5061


 83.9258, 80.1303,  
97.8590

 32.4002, 54.8475,  
37.6322

 85.2907, 80.6762,  
105.0465

 31.1411, 54.2763,  
34.0554

 85.4125, 80.7249,  
105.6875

 30.4911, 53.9924,  
31.7127

# Harmonies

## Analogous

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



55.5318, 65.1647, 55.0344



53.5765, 65.1647, 65.6314



53.7777, 65.1647, 79.0705

# Triad

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



53.5765, 65.1647, 65.6314



64.7101, 65.1647, 98.3523



68.1704, 65.1647, 53.5857

# Complementary

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



53.5765, 65.1647, 65.6314



54.0933, 48.4186, 55.7876

# 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.



70.8827, 65.1647, 63.4115



53.5765, 65.1647, 65.6314



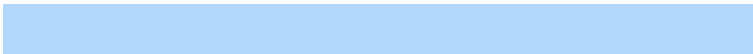
68.8170, 65.1647, 89.6791

# Square

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



53.5765, 65.1647, 65.6314



60.0498, 65.1647, 99.1423



71.1251, 65.1647, 76.5553



63.8635, 65.1647, 48.6886



# Rectangle

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



53.5765, 65.1647, 65.6314



55.1082, 65.1647, 87.8692



71.1251, 65.1647, 76.5553



69.3081, 65.1647, 56.3609

# Sweetspot

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



53.5783, 65.1674, 65.6329



87.6783, 96.3276, 102.7784



55.0607, 66.3139, 48.4269



18.6371, 20.5536, 21.8883



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

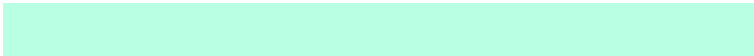


# Same Dimension

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



53.5783, 65.1674, 65.6329



69.2963, 87.2069, 85.8516



54.7686, 63.5086, 78.4821



13.8770, 15.4765, 16.3874



18.1664, 32.0914, 19.1313



1.3028, 2.2418, 1.5557



# Inverse Universe

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



54.0933, 48.4186, 55.7876



70.1311, 60.1084, 69.9305



53.0218, 49.5614, 45.3008



13.9287, 13.7891, 15.3948



18.9676, 9.6540, 6.4949

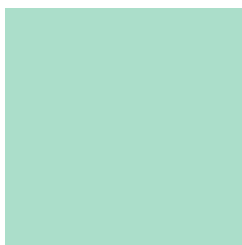


1.3578, 0.6864, 0.6771



# Previews

## White Background



This preview shows how the XYZ color 53.5765, 65.1647, 65.6314 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

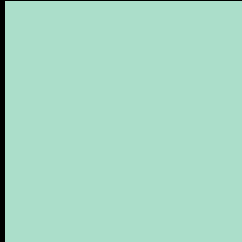
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.5765, 65.1647, 65.6314 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

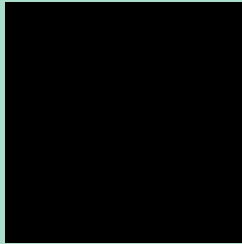
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

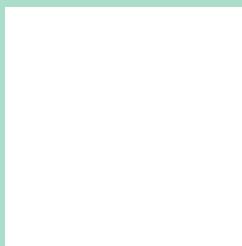
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 53.5765, 65.1647, 65.6314**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.5765, 65.1647, 65.6314.



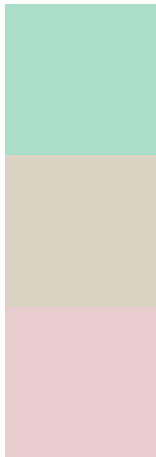
This preview shows how white text looks on a background with the XYZ color 53.5765, 65.1647,



# 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

53.5765, 65.1647, 65.6314

### Protanopia

61.8104, 64.9387, 60.9064

### Deuteranopia

66.0122, 64.7978, 67.4205



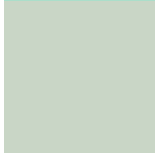
## Tritanopia

57.9397, 64.9710, 88.0842

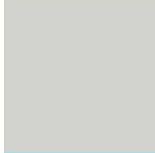
# Trichromacy



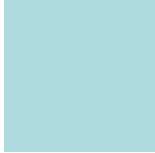
**Original Color**  
53.5765, 65.1647, 65.6314



**Protanomaly**  
58.3270, 64.5879, 62.8186

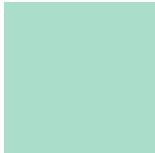


**Deuteranomaly**  
60.8921, 64.6979, 67.0362

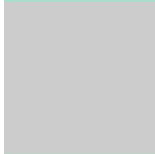


**Tritanomaly**  
56.3300, 65.1047, 79.4096

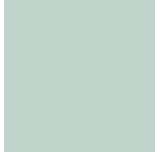
# Monochromacy



**Original Color**  
53.5765, 65.1647, 65.6314



**Achromatopsia**  
57.3938, 60.3827, 65.7568



**Achromatomaly**  
55.8120, 62.1068, 65.5461

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.5765, 65.1647, 65.6314 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(171, 222, 202)` looks like.

```
.text, #text, p{  
    color:rgb(171, 222, 202)  
}
```

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(171, 222, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 222, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 53.5765, 65.1647, 65.6314 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(171, 222, 202) }
```



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

```
.border{ border-color:rgb(171, 222, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 222, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 222, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 222, 202);  
box-shadow:4px 4px 4px 4px rgb(171, 222,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.5765, 65.1647, 65.6314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 222, 202) }
```

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

```
.background{ background-color: rgb(171,  
222, 202) }
```

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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