

# Converting Colors

XYZ(40.5366, 62.2830, 57.3328)

Have a look what the booklet for  
XYZ(40.5366, 62.2830, 57.3328)  
contains.

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# Color

**XYZ(40.5547, 62.2785,  
57.4605)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4BE7BC
RGB	75, 231, 188
RGB Percent	29%, 91%, 74%
CMY	0.7059, 0.0941, 0.2627
CMYK	0.68, 0.00, 0.19, 0.09
HSL	163°, 76%, 60%
HSV	163°, 68%, 91%
XYZ	40.5547, 62.2785, 57.4605
YIQ	179.4540, -79.1730, -46.4450

# Conversions

## Conversions Part 2

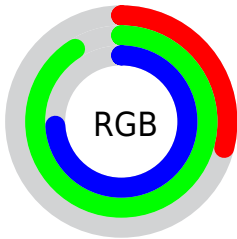
Format	Color
<b>RYB</b>	<b>75, 165, 231</b>
Decimal	4974524
CIELab	83.06, -50.57, 9.17
CIELCh	83, 51.395, 169.718
Yxy	62.2785, 0.2530, 0.3885
Android (android.graphics.Color)	4283164604 (0xFF4BE7BC)
YUV	179.4540, 4.2132, -91.6062
Hunter-Lab	78.9167, -46.3745, 12.0717

# Details

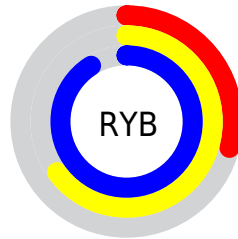
The XYZ color **40.5547, 62.2785, 57.4605** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **38.7432, 23.3308, 19.6034**, and the grayscale version is **43.1003, 45.3449, 49.3806**.

A 20% lighter version of the original color is **63.0736, 83.7144, 98.4221**, and **19.5092, 32.0214, 28.0742** is the 20% darker color. If you saturate the color by 10%, you get **38.3940, 61.2438, 53.8557**, and if you desaturate by 10%, it is **43.4047, 63.6682, 61.2585**.

# Distribution



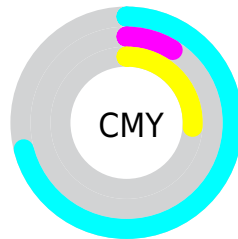
- Red (29%)
- Green (91%)
- Blue (74%)



- Red (29%)
- Yellow (65%)
- Blue (91%)



- Cyan (68%)
- Magenta (0%)
- Yellow (19%)
- Black (9%)




- Cyan (71%)
- Magenta (9%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5547, 62.2785, 57.4605 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 40.5547, 62.2785, 57.4605 by changing the saturation by 10% instead.





 40.5547, 62.2785,  
57.4605


 40.5547, 62.2785,  
57.4605


339.5505,  
432.9462, 432.7146


 28.1574, 45.2578,  
40.9633


 75.2864, 108.1279,  
102.6438

 18.5854, 31.6605,  
27.9709


 98.3516, 137.7254,  
132.1669

 11.4733, 21.1023,  
18.0649


 125.7035,  
172.2840, 166.8691

 6.4558, 13.1988,  
10.8266

 157.7074,  
212.1880, 207.1689

 3.1674, 7.5656,  
5.8377

194.7287,  
257.8218, 253.4848

 1.2429, 3.8183,  
2.6794

237.1327,

 0.1399, 1.5724,

309.5699, 306.2353

0.9331

285.2849,  
367.8165, 365.8391

■ 0.0000, 0.3389,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 40.5547, 62.2785,  
57.4605

■ 40.5547, 62.2785,  
57.4605

■ 38.3940, 61.2438,  
53.8557

■ 43.4047, 63.6682,  
61.2585

■ 36.8422, 60.5179,  
50.4341


■ 47.0029, 65.4385,  
65.2502


■ 35.8003, 60.0515,  
47.1905


■ 51.4077, 67.6211,  
69.4417


■ 35.5822, 59.9560,  
46.4147


■ 56.6700, 70.2421,  
73.8373

 62.8366, 73.3255,  
78.4411

 69.9506, 76.8937,  
83.2569

 78.0525, 80.9674,  
88.2884

 85.3887, 84.6426,  
93.4553

 86.3461, 85.0255,  
98.4968

# Harmonies

## Analogous

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



44.3390, 62.2785, 35.4325



40.5547, 62.2785, 57.4605



41.2661, 62.2785, 90.6325

# Triad

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



40.5547, 62.2785, 57.4605



66.7024, 62.2785, 143.3029



74.1172, 62.2785, 31.0108

# Complementary

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



40.5547, 62.2785, 57.4605



38.7432, 23.3308, 19.6034

# 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.



81.6815, 62.2785, 49.1828



40.5547, 62.2785, 57.4605



77.0433, 62.2785, 115.5898

# Square

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



40.5547, 62.2785, 57.4605



55.4600, 62.2785, 147.6381



82.8147, 62.2785, 79.3347



63.0916, 62.2785, 23.6515



# Rectangle

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



40.5547, 62.2785, 57.4605



44.2276, 62.2785, 114.9326



82.8147, 62.2785, 79.3347



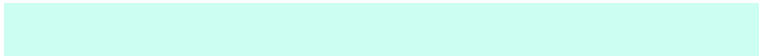
77.2046, 62.2785, 35.7327

# Sweetspot

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



40.5564, 62.2809, 57.4620



76.5303, 90.7047, 96.6475



37.4832, 61.5985, 16.5719



15.9069, 19.1776, 20.3365



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.



40.5564, 62.2809, 57.4620



47.2006, 76.2395, 65.6922



37.3392, 47.2912, 82.7642



14.6291, 16.2650, 17.5773



20.0022, 33.6330, 26.3095



1.5168, 2.5009, 2.1482



# Inverse Universe

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



38.7432, 23.3308, 19.6034



44.8852, 24.4388, 15.8206



39.6744, 28.3935, 10.0472



14.5394, 14.4330, 15.7750



19.0338, 9.7477, 3.8067

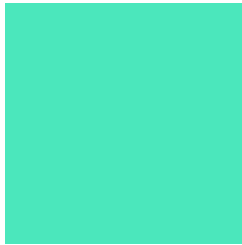


1.4449, 0.7357, 0.4834



# Previews

## White Background



This preview shows how the XYZ color 40.5547, 62.2785, 57.4605 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

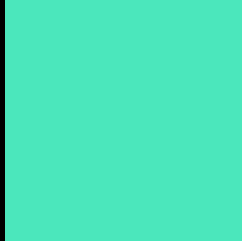
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.5547, 62.2785, 57.4605 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

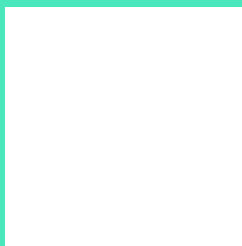
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.5547, 62.2785, 57.4605**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.5547, 62.2785, 57.4605.



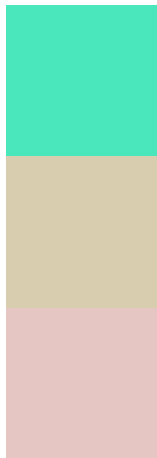
This preview shows how white text looks on a background with the XYZ color 40.5547, 62.2785,



# 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

40.5547, 62.2785, 57.4605

### Protanopia

57.8881, 61.3567, 49.3494

### Deuteranopia

62.3575, 60.9863, 60.1147



## Tritanopia

47.7197, 62.3188, 93.5180

# Trichromacy



## Original Color

40.5547, 62.2785, 57.4605



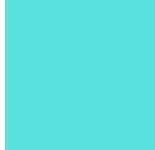
## Protanomaly

47.8018, 59.3878, 52.1236



## Deuteranomaly

49.7946, 58.7832, 58.5910



## Tritanomaly

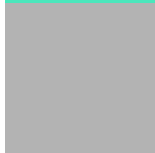
44.8704, 62.3858, 78.7840

# Monochromacy



## Original Color

40.5547, 62.2785, 57.4605



## Achromatopsia

42.8472, 45.0786, 49.0906



## Achromatomaly

39.6221, 49.4283, 51.7083

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.5547, 62.2785, 57.4605 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(75, 231, 188)` looks like.

```
.text, #text, p{  
    color:rgb(75, 231, 188)  
}
```

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(75, 231, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 231, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 40.5547, 62.2785, 57.4605 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(75, 231, 188) }
```



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

```
.border{ border-color:rgb(75, 231, 188) }
```

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

Here you see how a box with a 4 pixel rgb(75, 231, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 231, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 231, 188);  
box-shadow:4px 4px 4px 4px rgb(75, 231,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.5547, 62.2785, 57.4605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 231, 188) }
```

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

```
.background{ background-color: rgb(75, 231,  
188) }
```

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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