

# Converting Colors

XYZ(40.2536, 52.9595, 49.6723)

Have a look what the booklet for  
XYZ(40.2536, 52.9595, 49.6723)  
contains.

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# Color

**XYZ(40.2403, 52.9509,  
49.6946)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87CFB1
RGB	135, 207, 177
RGB Percent	53%, 81%, 69%
CMY	0.4706, 0.1882, 0.3059
CMYK	0.35, 0.00, 0.14, 0.19
HSL	155°, 43%, 67%
HSV	155°, 35%, 81%
XYZ	40.2403, 52.9509, 49.6946
YIQ	182.0520, -33.2820, -24.5940

# Conversions

## Conversions Part 2

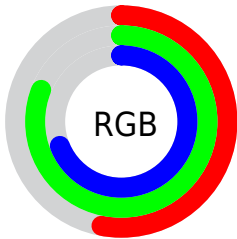
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">135, 180, 207</a>
Decimal	<a href="#">8900529</a>
CIELab	<a href="#">77.85, -29.07, 7.82</a>
CIELCh	<a href="#">78, 30.098, 164.945</a>
Yxy	<a href="#">52.9509, 0.2816, 0.3706</a>
Android (android.graphics.Color)	<a href="#">4287090609 (0xFF87CFB1)</a>
YUV	<a href="#">182.0520, -2.4906, -41.2646</a>
Hunter-Lab	<a href="#">72.7674, -28.6325, 10.4466</a>

# Details

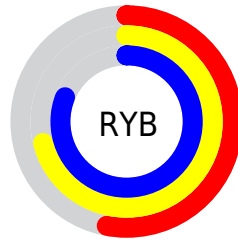
The XYZ color **40.2403, 52.9509, 49.6946** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.1894, 33.3112, 39.8582**, and the grayscale version is **44.5190, 46.8375, 51.0060**.

A 20% lighter version of the original color is **71.7032, 88.3503, 90.3650**, and **18.3460, 25.7055, 23.0635** is the 20% darker color. If you saturate the color by 10%, you get **36.3955, 51.0665, 45.1683**, and if you desaturate by 10%, it is **44.7899, 55.1952, 54.5399**.

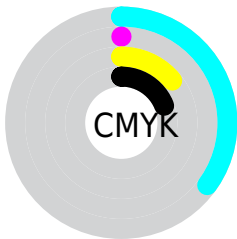
# Distribution



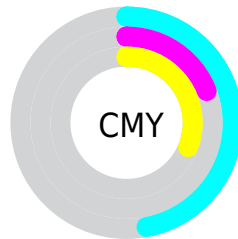
- Red (53%)
- Green (81%)
- Blue (69%)



- Red (53%)
- Yellow (71%)
- Blue (81%)



- Cyan (35%)
- Magenta (0%)
- Yellow (14%)
- Black (19%)



- Cyan (47%)
- Magenta (19%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2403, 52.9509, 49.6946 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 40.2403, 52.9509, 49.6946 by changing the saturation by 10% instead.



40.2403, 52.9509,  
49.6946

40.2403, 52.9509,  
49.6946

338.2524,  
398.0967, 402.1712

27.9110, 37.7636,  
34.8013

74.8113, 94.5321,  
91.1139

18.3987, 25.7992,  
23.2275

97.7837, 121.6948,  
118.4769

11.3380, 16.6735,  
14.5547

125.0346,  
153.6180, 150.8336

6.3636, 10.0020,  
8.3644

156.9292,  
190.6863, 188.6026

3.1102, 5.4003,  
4.2379

193.8329,  
233.2838, 232.2023

1.2123, 2.4840,  
1.7567

236.1111,

0.1160, 0.8686,

281.7952, 282.0512

0.3992

284.1292,  
336.6047, 338.5681

■ 0.0000, 0.0000,  
0.0000

■ 40.2403, 52.9509,  
49.6946

■ 40.2403, 52.9509,  
49.6946

■ 36.3955, 51.0665,  
45.1683

■ 44.7899, 55.1952,  
54.5399

■ 33.2124, 49.5156,  
40.9503

■ 50.0755, 57.8112,  
59.7074

■ 30.6500, 48.2786,  
37.0346


■ 56.1318, 60.8179,  
65.2046

■ 28.6604, 47.3310,  
33.4133


■ 62.9897, 64.2313,  
71.0378


■ 27.1883, 46.6444,  
30.0783


■ 70.6786, 68.0663,  
77.2132

 26.1667, 46.1844,  
27.0205

 77.6625, 71.5311,  
83.6634

 25.7495, 46.0019,  
25.5303

 78.8956, 72.0243,  
90.1568

 80.1894, 72.5418,  
96.9696

 81.5446, 73.0840,  
104.1064

# Harmonies

## Analogous

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



42.8018, 52.9509, 37.7486



40.2403, 52.9509, 49.6946



40.2355, 52.9509, 66.3564

# Triad

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



40.2403, 52.9509, 49.6946



53.2814, 52.9509, 94.6624



58.7059, 52.9509, 37.7816

# Complementary

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



40.2403, 52.9509, 49.6946



41.1894, 33.3112, 39.8582

# 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.



61.9817, 52.9509, 49.7487



40.2403, 52.9509, 49.6946



58.6890, 52.9509, 83.5570

# Square

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



40.2403, 52.9509, 49.6946



47.4662, 52.9509, 94.6401



61.9752, 52.9509, 66.4221



53.3031, 52.9509, 31.8314



# Rectangle

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



40.2403, 52.9509, 49.6946



41.6696, 52.9509, 78.1171



61.9752, 52.9509, 66.4221



60.1102, 52.9509, 41.1192

# Sweetspot

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



40.2418, 52.9531, 49.6958



84.6189, 94.8148, 99.7275



42.4556, 54.5059, 31.2054



17.8205, 20.1496, 21.0793



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

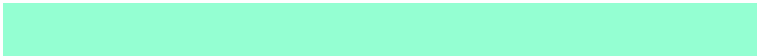


# Same Dimension

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



40.2418, 52.9531, 49.6958



59.6340, 82.4783, 73.9933



42.4234, 51.9931, 66.8338



11.9413, 13.3203, 14.0475



16.2708, 29.0012, 16.3380



0.9488, 1.6372, 1.1192



# Inverse Universe

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



41.1894, 33.3112, 39.8582



61.3872, 46.2376, 55.8654



39.4558, 33.7137, 27.3502



12.0101, 11.8888, 13.3291



17.3220, 8.8016, 6.6016



1.0077, 0.5078, 0.5753



# Previews

## White Background



This preview shows how the XYZ color 40.2403, 52.9509, 49.6946 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

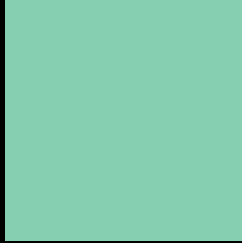
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.2403, 52.9509, 49.6946 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

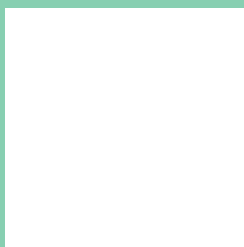
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.2403, 52.9509, 49.6946**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.2403, 52.9509, 49.6946.



This preview shows how white text looks on a background with the XYZ color 40.2403, 52.9509,



# 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

40.2403, 52.9509, 49.6946

### Protanopia

49.6117, 52.4055, 45.0366

### Deuteranopia

53.5240, 52.3715, 51.5437



## Tritanopia

44.9126, 52.7123, 73.4530

# Trichromacy



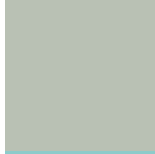
## Original Color

40.2403, 52.9509, 49.6946



## Protanomaly

45.3171, 52.1412, 46.7055



## Deuteranomaly

47.3158, 51.7495, 50.6749



## Tritanomaly

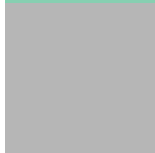
43.0011, 52.6389, 63.7710

# Monochromacy



## Original Color

40.2403, 52.9509, 49.6946



## Achromatopsia

44.4628, 46.7784, 50.9417



## Achromatomaly

42.3861, 48.5562, 50.3183

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.2403, 52.9509, 49.6946 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(135, 207, 177)` looks like.

```
.text, #text, p{  
    color:rgb(135, 207, 177)  
}
```

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(135, 207, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 207, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 40.2403, 52.9509, 49.6946 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(135, 207, 177) }
```



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

```
.border{ border-color:rgb(135, 207, 177) }
```

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

Here you see how a box with a 4 pixel rgb(135, 207, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 207, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 207, 177);  
box-shadow:4px 4px 4px 4px rgb(135, 207,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.2403, 52.9509, 49.6946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 207, 177) }
```

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

```
.background{ background-color: rgb(135,  
207, 177) }
```

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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