

# Converting Colors

XYZ(24.4510, 40.4911, 25.7625)

Have a look what the booklet for  
XYZ(24.4510, 40.4911, 25.7625)  
contains.

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# Color

**XYZ(24.4590, 40.4905,  
25.9284)**

# Conversions

## Conversions Part 1

Format	Color
Hex	39C17D
RGB	57, 193, 125
RGB Percent	22%, 76%, 49%
CMY	0.7765, 0.2431, 0.5098
CMYK	0.70, 0.00, 0.35, 0.24
HSL	150°, 54%, 49%
HSV	150°, 70%, 76%
XYZ	24.4590, 40.4905, 25.9284
YIQ	144.5840, -59.2280, -49.9800

# Conversions

## Conversions Part 2

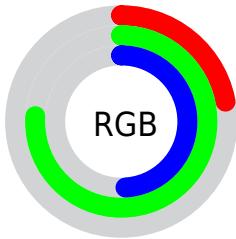
<b>Format</b>	<b>Color</b>
<b>RYB</b>	57, 148, 193
Decimal	3785085
CIELab	69.82, -51.87, 24.00
CIElCh	70, 57.153, 155.175
Yxy	40.4905, 0.2691, 0.4455
Android (android.graphics.Color)	4281975165 (0xFF39C17D)
YUV	144.5840, -9.6549, -76.8112
Hunter-Lab	63.6321, -42.7442, 20.3834

# Details

The XYZ color **24.4590, 40.4905, 25.9284** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **27.1584, 15.7452, 21.0112**, and the grayscale version is **26.8010, 28.1967, 30.7062**.

A 20% lighter version of the original color is **50.1066, 75.6505, 54.0806**, and **10.3585, 18.6850, 9.7172** is the 20% darker color. If you saturate the color by 10%, you get **22.9739, 39.7938, 22.7961**, and if you desaturate by 10%, it is **26.4241, 41.4299, 29.3977**.

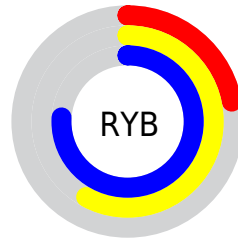
# Distribution



Red (22%)

Green (76%)

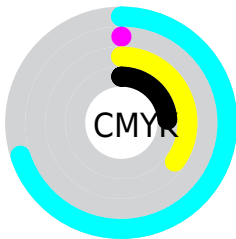
Blue (49%)



Red (22%)

Yellow (58%)

Blue (76%)

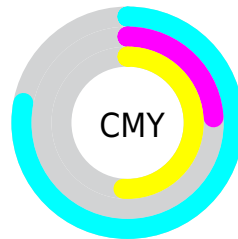


Cyan (70%)

Magenta (0%)

Yellow (35%)

Black (24%)



Cyan (78%)

Magenta (24%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4590, 40.4905, 25.9284 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 24.4590, 40.4905, 25.9284 by changing the saturation by 10% instead.





 24.4590, 40.4905,  
25.9284


 24.4590, 40.4905,  
25.9284


267.5305,  
348.1866, 296.0247


 15.8010, 27.9212,  
16.5448


 50.2274, 75.9099,  
54.1421


 9.4734, 18.2663,  
9.7520


 68.0686, 99.5287,  
73.8092


 5.1108, 11.1413,  
5.1314


 89.7016, 127.5995,  
97.7413

 2.3479, 6.1620,  
2.2645

 115.4917,  
160.5066, 126.3569

 0.8190, 2.9438,  
0.7112

 145.8042,  
198.6345, 160.0745

 0.0000, 1.1025,  
0.0000

181.0047,

 0.0000, 0.0000,

242.3675, 199.3126

0.0000

221.4583,  
292.0901, 244.4898

■ 24.4590, 40.4905,  
25.9284

■ 24.4590, 40.4905,  
25.9284

■ 22.9739, 39.7938,  
22.7961

■ 26.4241, 41.4299,  
29.3977

■ 21.9138, 39.3084,  
19.9867

■ 28.9102, 42.6297,  
33.2117

■ 21.2052, 38.9952,  
17.5966

■ 31.9572, 44.1113,  
37.3814

■ 35.5999, 45.8926,  
41.9163

■ 39.8705, 47.9900,  
46.8256

■ 44.7985, 50.4184,  
52.1180

■ 50.4117, 53.1921,  
57.8020

■ 56.7361, 56.3243,  
63.8857

■ 63.7963, 59.8277,  
70.3770

# Harmonies

## Analogous

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



29.0961, 40.4905, 14.1250



24.4590, 40.4905, 25.9284



23.3127, 40.4905, 48.8578

# Triad

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



24.4590, 40.4905, 25.9284



40.1166, 40.4905, 117.0507



54.9852, 40.4905, 20.7196

# Complementary

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



24.4590, 40.4905, 25.9284



27.1584, 15.7452, 21.0112

# 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.



59.1249, 40.4905, 39.6378



24.4590, 40.4905, 25.9284



49.7032, 40.4905, 100.4193

# Square

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



24.4590, 40.4905, 25.9284



31.4708, 40.4905, 108.6098



57.0517, 40.4905, 69.2032



46.4708, 40.4905, 12.0754



# Rectangle

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



24.4590, 40.4905, 25.9284



24.4931, 40.4905, 69.5860



57.0517, 40.4905, 69.2032



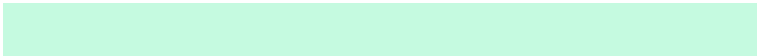
56.9918, 40.4905, 25.7303

# Sweetspot

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



24.4601, 40.4921, 25.9293



70.6994, 85.5997, 83.0757



28.6020, 42.9697, 10.6578



14.6921, 18.1304, 17.2867



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



24.4601, 40.4921, 25.9293



39.9454, 70.7156, 37.8059



30.1333, 42.7614, 55.8041



10.1497, 11.3409, 11.7919



14.1437, 25.9516, 11.9160



0.6459, 1.1352, 0.6981



# Inverse Universe

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



27.1584, 15.7452, 21.0112



45.0760, 23.6633, 28.4549



24.2529, 14.5830, 5.7110



10.2785, 10.1600, 11.5572



16.0876, 8.1248, 8.3731

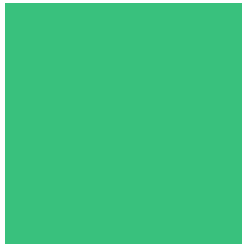


0.7299, 0.3650, 0.5450



# Previews

## White Background



This preview shows how the XYZ color 24.4590, 40.4905, 25.9284 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 24.4590, 40.4905, 25.9284 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

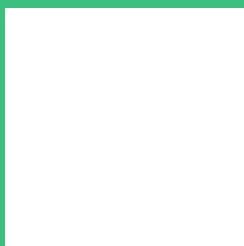
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 24.4590, 40.4905, 25.9284**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.4590, 40.4905, 25.9284.



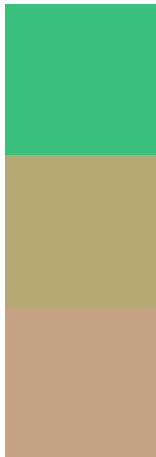
This preview shows how white text looks on a background with the XYZ color 24.4590, 40.4905,

25.9284.

# 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

24.4590, 40.4905, 25.9284

### Protanopia

36.8109, 39.6810, 21.9387

### Deuteranopia

40.3739, 39.5124, 27.3285



## Tritanopia

31.2870, 40.3829, 60.1785

# Trichromacy



## Original Color

24.4590, 40.4905, 25.9284



## Protanomaly

29.5667, 38.4911, 23.3240



## Deuteranomaly

30.9386, 37.6752, 26.4103



## Tritanomaly

28.1184, 40.0151, 45.2714

# Monochromacy



## Original Color

24.4590, 40.4905, 25.9284



## Achromatopsia

26.9133, 28.3149, 30.8349



## Achromatomaly

24.3178, 31.1863, 28.7826

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.4590, 40.4905, 25.9284 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(57, 193, 125)` looks like.

```
.text, #text, p{  
    color:rgb(57, 193, 125)  
}
```

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(57, 193, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 193, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 24.4590, 40.4905, 25.9284 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(57, 193, 125) }
```



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

```
.border{ border-color:rgb(57, 193, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 193, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(57, 193, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(57, 193, 125); box-shadow:4px 4px 4px 4px rgb(57, 193, 125) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.4590, 40.4905, 25.9284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 193, 125) }
```

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

```
.background{ background-color: rgb(57, 193,  
125) }
```

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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