

Converting Colors

XYZ(24.3878, 40.2935, 24.4360)

Have a look what the booklet for
XYZ(24.3878, 40.2935, 24.4360)
contains.

XYZ(24.3507, 40.1365, 24.5529)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.3507, 40.1365,
24.5529)**

Conversions

Conversions Part 1

Format	Color
Hex	3FC079
RGB	63, 192, 121
RGB Percent	25%, 75%, 47%
CMY	0.7529, 0.2470, 0.5255
CMYK	0.67, 0.00, 0.37, 0.25
HSL	147°, 51%, 50%
HSV	147°, 67%, 75%
XYZ	24.3507, 40.1365, 24.5529
YIQ	145.3350, -54.0930, -49.4290

Conversions

Conversions Part 2

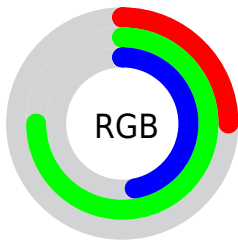
Format	Color
RYB	63, 152, 192
Decimal	4178041
CIELab	69.57, -51.26, 25.79
CIELCh	70, 57.385, 153.288
Yxy	40.1365, 0.2735, 0.4508
Android (android.graphics.Color)	4282368121 (0xFF3FC079)
YUV	145.3350, -11.9972, -72.2078
Hunter-Lab	63.3534, -42.2596, 21.3692

Details

The XYZ color **24.3507, 40.1365, 24.5529** 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 **27.8200, 16.4835, 24.2708**, and the grayscale version is **27.1139, 28.5259, 31.0648**.

A 20% lighter version of the original color is **49.9731, 75.1673, 51.9193**, and **10.1154, 18.3592, 9.1414** is the 20% darker color. If you saturate the color by 10%, you get **22.7188, 39.3671, 21.2774**, and if you desaturate by 10%, it is **26.4832, 41.1579, 28.2242**.

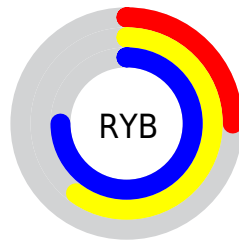
Distribution



Red (25%)

Green (75%)

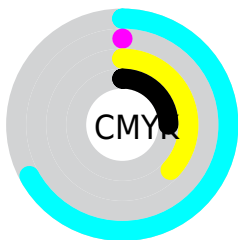
Blue (47%)



Red (25%)

Yellow (60%)

Blue (75%)

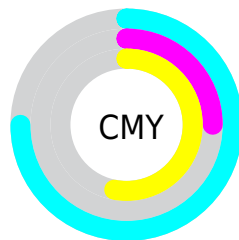


Cyan (67%)

Magenta (0%)

Yellow (37%)

Black (25%)



Cyan (75%)


Magenta (25%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.3507, 40.1365, 24.5529 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 24.3507, 40.1365, 24.5529 by changing the saturation by 10% instead.


 24.3507, 40.1365,
24.5529


 24.3507, 40.1365,
24.5529


266.9964,
346.6986, 288.9800


 15.7201, 27.6450,
15.5283

 50.0524, 75.3713,
51.8861


 9.4159, 18.0582,
9.0403


 67.8542, 98.8834,
71.0317


 5.0727, 10.9918,
4.6703


 89.4439, 126.8379,
94.3880

 2.3252, 6.0613,
1.9998

 115.1867,
159.6190, 122.3737

 0.8075, 2.8824,
0.5552

 145.4480,
197.6112, 155.4072

 0.0000, 1.0706,
0.0000

180.5931,

 0.0000, 0.0000,

241.1990, 193.9070

0.0000

220.9875,
290.7666, 238.2918

■ 24.3507, 40.1365,
24.5529

■ 24.3507, 40.1365,
24.5529

■ 22.7188, 39.3671,
21.2774

■ 26.4832, 41.1579,
28.2242

■ 21.5353, 38.8199,
18.3808

■ 29.1552, 42.4479,
32.3020

■ 20.7337, 38.4619,
15.8483

■ 32.4055, 44.0273,
36.7997

■ 20.5433, 38.3779,
15.1981

■ 36.2679, 45.9133,
41.7293

■ 40.7737, 48.1219,
47.1025

■ 45.9520, 50.6677,
52.9301

■ 51.8300, 53.5648,
59.2229

■ 58.4335, 56.8261,
65.9911

■ 65.7869, 60.4639,
73.2447

Harmonies

Analogous

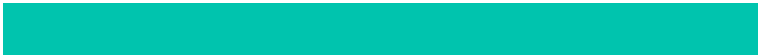
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.1863, 40.1365, 13.4313



24.3507, 40.1365, 24.5529



22.9897, 40.1365, 46.6923

Triad

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



24.3507, 40.1365, 24.5529



39.1789, 40.1365, 116.9447



55.0533, 40.1365, 21.2627

Complementary

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



24.3507, 40.1365, 24.5529



27.8200, 16.4835, 24.2708

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.



58.8301, 40.1365, 40.8419



24.3507, 40.1365, 24.5529



48.7799, 40.1365, 101.6944

Square

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



24.3507, 40.1365, 24.5529



30.6911, 40.1365, 106.9172



56.3678, 40.1365, 70.8669



46.7256, 40.1365, 12.1428

Rectangle

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



24.3507, 40.1365, 24.5529



24.0188, 40.1365, 67.1226



56.3678, 40.1365, 70.8669



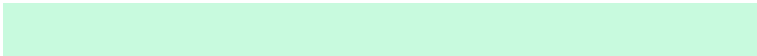
56.9532, 40.1365, 26.4819

Sweetspot

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



24.3517, 40.1381, 24.5538



71.1900, 85.8724, 82.2055



29.9177, 43.3025, 11.4843



14.7732, 18.1776, 17.0418



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.



24.3517, 40.1381, 24.5538



39.9722, 70.7741, 35.7853



29.4897, 42.1933, 51.6100



10.1285, 11.3324, 11.6797



13.8610, 25.8385, 10.4270



0.6336, 1.1303, 0.6331

Inverse Universe

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



27.8200, 16.4835, 24.2708



46.6729, 24.8766, 35.0929



24.6735, 15.2249, 7.7013



10.2999, 10.1686, 11.6700



16.4064, 8.2523, 10.0522



0.7432, 0.3703, 0.6152

Previews

White Background



This preview shows how the XYZ color 24.3507, 40.1365, 24.5529 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 24.3507, 40.1365, 24.5529 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

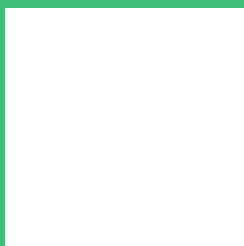
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.3507, 40.1365, 24.5529

Background



This preview shows how black text looks on a background with the XYZ color 24.3507, 40.1365, 24.5529.

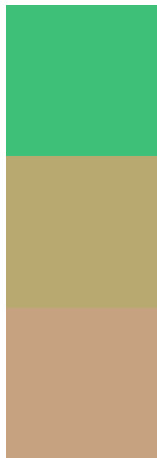


This preview shows how white text looks on a background with the XYZ color 24.3507, 40.1365,

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

24.3507, 40.1365, 24.5529

Protanopia

36.5856, 39.5909, 20.7525

Deuteranopia

40.1053, 39.4049, 25.9142



Tritanopia

31.3430, 40.1178, 59.5177

Trichromacy



Original Color

24.3507, 40.1365, 24.5529



Protanomaly

29.4641, 38.1711, 22.0345



Deuteranomaly

31.0397, 37.7574, 25.0540



Tritanomaly

28.1229, 39.7256, 44.2158

Monochromacy



Original Color

24.3507, 40.1365, 24.5529



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

24.4345, 31.2631, 28.0391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3507, 40.1365, 24.5529 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(63, 192, 121)` looks like.

```
.text, #text, p{  
    color:rgb(63, 192, 121)  
}
```

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(63, 192, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 192, 121) }
```

Border

The CSS property to change the border of an element to XYZ 24.3507, 40.1365, 24.5529 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(63, 192, 121) }
```


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

```
.border{ border-color:rgb(63, 192, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 192, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 192, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 192, 121);  
box-shadow:4px 4px 4px 4px rgb(63, 192,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3507, 40.1365, 24.5529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 192, 121) }
```

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

```
.background{ background-color: rgb(63, 192,  
121) }
```

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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