

Converting Colors

XYZ(25.2451, 40.1440, 30.3394)

Have a look what the booklet for
XYZ(25.2451, 40.1440, 30.3394)
contains.

XYZ(25.2681, 40.1533, 30.4634)	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(25.2681, 40.1533,
30.4634)**

Conversions

Conversions Part 1

Format	Color
Hex	3FBF8A
RGB	63, 191, 138
RGB Percent	25%, 75%, 54%
CMY	0.7529, 0.2510, 0.4588
CMYK	0.67, 0.00, 0.28, 0.25
HSL	155°, 50%, 50%
HSV	155°, 67%, 75%
XYZ	25.2681, 40.1533, 30.4634
YIQ	146.6860, -59.2750, -43.6190

Conversions

Conversions Part 2

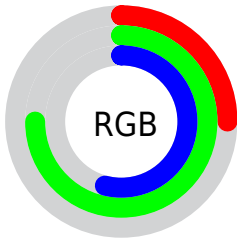
Format	Color
RYB	63, 144, 191
Decimal	4177802
CIELab	69.58, -47.37, 16.74
CIELCh	70, 50.244, 160.537
Yxy	40.1533, 0.2635, 0.4188
Android (android.graphics.Color)	4282367882 (0xFF3FBF8A)
YUV	146.6860, -4.2822, -73.3926
Hunter-Lab	63.3666, -39.7129, 15.8531

Details

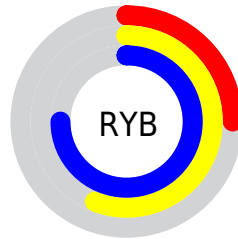
The XYZ color **25.2681, 40.1533, 30.4634** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **26.4170, 15.8932, 18.1996**, and the grayscale version is **27.6391, 29.0784, 31.6664**.

A 20% lighter version of the original color is **51.5393, 75.3005, 61.6872**, and **10.5656, 18.3129, 12.2104** is the 20% darker color. If you saturate the color by 10%, you get **23.7015, 39.4105, 27.5096**, and if you desaturate by 10%, it is **27.3015, 41.1340, 33.6585**.

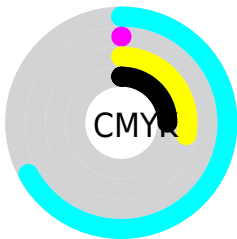
Distribution



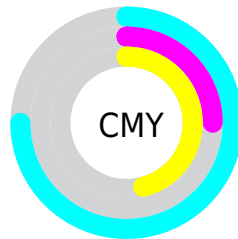
- Red (25%)
- Green (75%)
- Blue (54%)



- Red (25%)
- Yellow (56%)
- Blue (75%)



- Cyan (67%)
- Magenta (0%)
- Yellow (28%)
- Black (25%)





- Cyan (75%)
- Magenta (25%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.2681, 40.1533, 30.4634 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 25.2681, 40.1533, 30.4634 by changing the saturation by 10% instead.


 25.2681, 40.1533,
30.4634


 25.2681, 40.1533,
30.4634


271.4936,
346.7693, 318.3328


 16.4067, 27.6581,
19.9356


 51.5316, 75.3969,
61.4639


 9.9051, 18.0681,
12.1646


 69.6644, 98.9141,
82.7736


 5.3978, 10.9989,
6.7320


 91.6184, 126.8740,
108.5144

 2.5197, 6.0661,
3.2192

 117.7589,
159.6612, 139.1048

 0.9052, 2.8853,
1.2076

 148.4514,
197.6598, 174.9632

 0.0000, 1.0721,
0.0000

184.0610,

 0.0000, 0.0000,

241.2545, 216.5084

0.0000

224.9533,
290.8295, 264.1587

■ 25.2681, 40.1533,
30.4634

■ 25.2681, 40.1533,
30.4634

■ 23.7015, 39.4105,
27.5096

■ 27.3015, 41.1340,
33.6585

■ 22.5518, 38.8769,
24.7876

■ 29.8389, 42.3686,
37.0985

■ 21.7558, 38.5210,
22.2905

■ 32.9169, 43.8768,
40.7902

■ 21.5514, 38.4310,
21.5862

■ 36.5680, 45.6754,
44.7396

■ 40.8219, 47.7795,
48.9519

■ 45.7062, 50.2034,
53.4326

■ 51.2467, 52.9601,
58.1867

■ 57.4677, 56.0622,
63.2192

■ 64.3925, 59.5216,
68.5348

Harmonies

Analogous

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



28.8994, 40.1533, 17.8035



25.2681, 40.1533, 30.4634



24.7940, 40.1533, 52.4073

Triad

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



25.2681, 40.1533, 30.4634



41.0881, 40.1533, 103.9705



51.2856, 40.1533, 20.6422

Complementary

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



25.2681, 40.1533, 30.4634



26.4170, 15.8932, 18.1996

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.



55.6413, 40.1533, 36.0503



25.2681, 40.1533, 30.4634



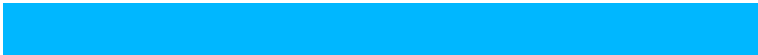
49.2242, 40.1533, 87.2050

Square

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



25.2681, 40.1533, 30.4634



33.2006, 40.1533, 100.7984



54.8376, 40.1533, 60.3537



43.6000, 40.1533, 13.6825

Rectangle

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



25.2681, 40.1533, 30.4634



26.2467, 40.1533, 70.5664



54.8376, 40.1533, 60.3537



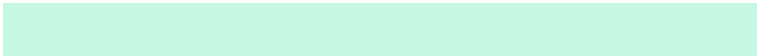
53.2339, 40.1533, 24.7267

Sweetspot

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



25.2692, 40.1549, 30.4643



70.4716, 84.2639, 85.1263



26.7760, 41.3580, 11.2747



14.9970, 18.2672, 18.2207



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.



25.2692, 40.1549, 30.4643



41.4866, 70.1322, 47.1453



27.8437, 37.5972, 55.0815



9.6369, 10.7409, 11.3373



14.2036, 25.2717, 14.4007



0.5882, 1.0027, 0.7318

Inverse Universe

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



26.4170, 15.8932, 18.1996



43.7237, 23.7237, 23.8921



24.8107, 16.2892, 6.5395



9.6896, 9.6001, 10.7543



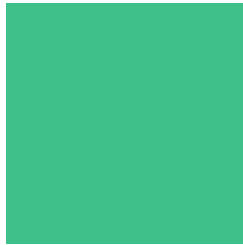
15.0879, 7.6663, 5.7564



0.6236, 0.3133, 0.3973

Previews

White Background



This preview shows how the XYZ color 25.2681, 40.1533, 30.4634 looks on a white background.

Color Contrast Check

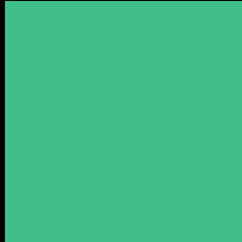
Large Text (above 18pt) WCAG AA × Fail

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 25.2681, 40.1533, 30.4634 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 25.2681, 40.1533, 30.4634

Background



This preview shows how black text looks on a background with the XYZ color 25.2681, 40.1533, 30.4634.



This preview shows how white text looks on a background with the XYZ color 25.2681, 40.1533,

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

25.2681, 40.1533, 30.4634

Protanopia

36.7213, 39.2671, 26.0660

Deuteranopia

40.2025, 39.3236, 31.8569



Tritanopia

30.9643, 39.9226, 59.4999

Trichromacy



Original Color

25.2681, 40.1533, 30.4634



Protanomaly

30.0067, 38.0350, 27.5898



Deuteranomaly

31.6801, 37.9511, 31.2468



Tritanomaly

28.5373, 39.8721, 47.2663

Monochromacy



Original Color

25.2681, 40.1533, 30.4634



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

25.3337, 31.9210, 31.2117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2681, 40.1533, 30.4634 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, 191, 138)` looks like.

```
.text, #text, p{  
    color:rgb(63, 191, 138)  
}
```

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, 191, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 191, 138) }
```

Border

The CSS property to change the border of an element to XYZ 25.2681, 40.1533, 30.4634 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, 191, 138) }
```


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

```
.border{ border-color:rgb(63, 191, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 191, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 191, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 191, 138);  
box-shadow:4px 4px 4px 4px rgb(63, 191,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2681, 40.1533, 30.4634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 191, 138) }
```

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

```
.background{ background-color: rgb(63, 191,  
138) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor