

Converting Colors

XYZ(24.7688, 41.3469, 24.4446)

Have a look what the booklet for
XYZ(24.7688, 41.3469, 24.4446)
contains.

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Color

**XYZ(24.7688, 41.3469,
24.4446)**

Conversions

Conversions Part 1

Format	Color
Hex	3CC378
RGB	60, 195, 120
RGB Percent	24%, 76%, 47%
CMY	0.7647, 0.2353, 0.5294
CMYK	0.69, 0.00, 0.38, 0.24
HSL	147°, 53%, 50%
HSV	147°, 69%, 76%
XYZ	24.7688, 41.3469, 24.4446
YIQ	146.0850, -56.3850, -51.9450

Conversions

Conversions Part 2

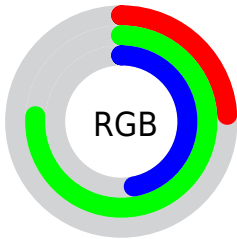
Format	Color
RYB	60, 153, 195
Decimal	3982200
CIELab	70.42, -53.12, 27.44
CIELCh	70, 59.793, 152.680
Yxy	41.3469, 0.2735, 0.4566
Android (android.graphics.Color)	4282172280 (0xFF3CC378)
YUV	146.0850, -12.8599, -75.4965
Hunter-Lab	64.3016, -43.7700, 22.4717

Details

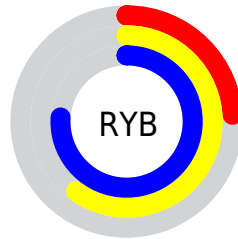
The XYZ color **24.7688, 41.3469, 24.4446** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **28.4961, 16.5841, 24.6228**, and the grayscale version is **27.4252, 28.8535, 31.4214**.

A 20% lighter version of the original color is **50.8365, 77.4786, 51.8107**, and **10.4836, 19.1984, 8.9475** is the 20% darker color. If you saturate the color by 10%, you get **23.1800, 40.6007, 21.1306**, and if you desaturate by 10%, it is **26.8680, 42.3499, 28.1727**.

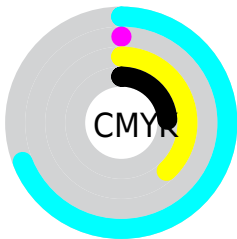
Distribution



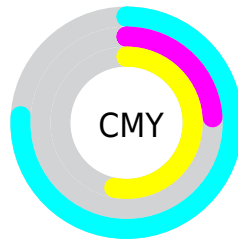
- Red (24%)
- Green (76%)
- Blue (47%)



- Red (24%)
- Yellow (60%)
- Blue (76%)



- Cyan (69%)
- Magenta (0%)
- Yellow (38%)
- Black (24%)





- Cyan (76%)
- Magenta (24%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.7688, 41.3469, 24.4446 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 24.7688, 41.3469, 24.4446 by changing the saturation by 10% instead.


 24.7688, 41.3469,
24.4446


 24.7688, 41.3469,
24.4446


269.0535,
351.7684, 288.4192


 16.0327, 28.5902,
15.4485


 50.7275, 77.2102,
51.7077


 9.6383, 18.7711,
8.9847


 68.6808, 101.0857,
70.8117


 5.2202, 11.5050,
4.6345


 90.4372, 129.4362,
94.1221

 2.4131, 6.4076,
1.9795

 116.3621,
162.6461, 122.0575

 0.8517, 3.0945,
0.5426

 146.8208,
201.1000, 155.0364

 0.0000, 1.1812,
0.0000

182.1787,

 0.0000, 0.0463,

245.1820, 193.4772

0.0000

222.8012,
295.2767, 237.7987

■ 0.0000, 0.0000,
0.0000

■ 24.7688, 41.3469,
24.4446

■ 24.7688, 41.3469,
24.4446

■ 23.1800, 40.6007,
21.1306

■ 26.8680, 42.3499,
28.1727

■ 22.0456, 40.0793,
18.2124

■ 29.5197, 43.6277,
32.3265

■ 21.2755, 39.7377,
15.6733

■ 32.7647, 45.2022,
36.9204

■ 21.2225, 39.7143,
15.4925

■ 36.6391, 47.0919,
41.9675

■ 41.1760, 49.3134,
47.4800

■ 46.4061, 51.8825,
53.4700

■ 52.3582, 54.8136,
59.9487

■ 59.0592, 58.1206,
66.9272

■ 66.5348, 61.8164,
74.4162

Harmonies

Analogous

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



29.9405, 41.3469, 13.0741



24.7688, 41.3469, 24.4446



23.2638, 41.3469, 47.6021

Triad

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



24.7688, 41.3469, 24.4446



40.1906, 41.3469, 123.7639



57.4774, 41.3469, 21.6377

Complementary

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



24.7688, 41.3469, 24.4446



28.4961, 16.5841, 24.6228

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.



61.3967, 41.3469, 42.5325



24.7688, 41.3469, 24.4446



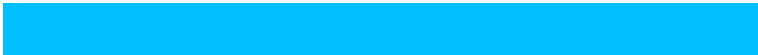
50.4289, 41.3469, 107.7843

Square

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



24.7688, 41.3469, 24.4446



31.2374, 41.3469, 112.3841



58.6252, 41.3469, 74.7581



48.6404, 41.3469, 11.9939

Rectangle

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



24.7688, 41.3469, 24.4446



24.2959, 41.3469, 69.3193



58.6252, 41.3469, 74.7581



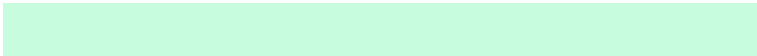
59.4746, 41.3469, 27.1879

Sweetspot

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



24.7699, 41.3486, 24.4455



71.9397, 87.4331, 82.8945



30.5669, 44.6345, 11.2798



15.2417, 18.8960, 17.5363



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.



24.7699, 41.3486, 24.4455



40.3914, 72.1943, 35.1135



30.2428, 43.5378, 53.2659



10.1263, 11.3316, 11.6683



13.8339, 25.8276, 10.2845



0.6324, 1.1298, 0.6268

Inverse Universe

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



28.4961, 16.5841, 24.6228



47.4553, 25.0158, 35.2770



25.1969, 15.2644, 7.2492



10.3022, 10.1695, 11.6817



16.4413, 8.2663, 10.2358



0.7446, 0.3709, 0.6227

Previews

White Background



This preview shows how the XYZ color 24.7688, 41.3469, 24.4446 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 24.7688, 41.3469, 24.4446 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 24.7688, 41.3469, 24.4446

Background



This preview shows how black text looks on a background with the XYZ color 24.7688, 41.3469, 24.4446.



This preview shows how white text looks on a background with the XYZ color 24.7688, 41.3469,

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

24.7688, 41.3469, 24.4446

Protanopia

37.6271, 40.6907, 20.6228

Deuteranopia

41.4633, 40.6398, 25.7376



Tritanopia

31.8941, 40.9919, 60.8748

Trichromacy



Original Color

24.7688, 41.3469, 24.4446



Protanomaly

30.1737, 39.4329, 21.9406



Deuteranomaly

31.5457, 38.5992, 24.8565



Tritanomaly

28.6902, 40.9552, 44.9211

Monochromacy



Original Color

24.7688, 41.3469, 24.4446



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

24.8610, 32.0019, 28.5336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7688, 41.3469, 24.4446 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(60, 195, 120)` looks like.

```
.text, #text, p{  
    color:rgb(60, 195, 120)  
}
```

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(60, 195, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 195, 120) }
```

Border

The CSS property to change the border of an element to XYZ 24.7688, 41.3469, 24.4446 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(60, 195, 120) }
```


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

```
.border{ border-color:rgb(60, 195, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 195, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 195, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 195, 120);  
box-shadow:4px 4px 4px 4px rgb(60, 195,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7688, 41.3469, 24.4446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 195, 120) }
```

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

```
.background{ background-color: rgb(60, 195,  
120) }
```

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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