

Converting Colors

XYZ(24.9978, 40.9130, 19.4114)

Have a look what the booklet for
XYZ(24.9978, 40.9130, 19.4114)
contains.

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Color

**XYZ(24.9978, 40.9130,
19.4114)**

Conversions

Conversions Part 1

Format	Color
Hex	52C167
RGB	82, 193, 103
RGB Percent	32%, 76%, 40%
CMY	0.6784, 0.2431, 0.5961
CMYK	0.58, 0.00, 0.47, 0.24
HSL	131°, 47%, 54%
HSV	131°, 58%, 76%
XYZ	24.9978, 40.9130, 19.4114
YIQ	149.5510, -37.2660, -51.5220

Conversions

Conversions Part 2

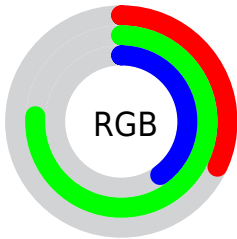
Format	Color
RYB	82, 175, 193
Decimal	5423463
CIELab	70.11, -50.84, 35.91
CIELCh	70, 62.240, 144.762
Yxy	40.9130, 0.2930, 0.4795
Android (android.graphics.Color)	4283613543 (0xFF52C167)
YUV	149.5510, -22.9496, -59.2422
Hunter-Lab	63.9633, -42.1753, 26.7811

Details

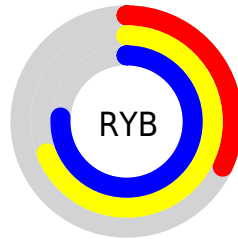
The XYZ color **24.9978, 40.9130, 19.4114** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **32.4572, 20.3513, 41.2485**, and the grayscale version is **28.9054, 30.4108, 33.1173**.

A 20% lighter version of the original color is **50.9172, 76.3132, 43.0567**, and **9.7311, 18.4340, 6.4134** is the 20% darker color. If you saturate the color by 10%, you get **22.8364, 39.8823, 15.5872**, and if you desaturate by 10%, it is **27.7803, 42.2492, 24.0338**.

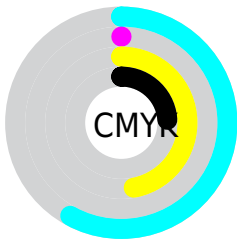
Distribution



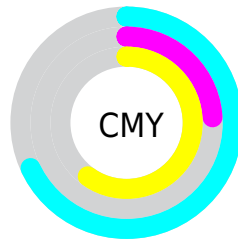
- Red (32%)
- Green (76%)
- Blue (40%)



- Red (32%)
- Yellow (69%)
- Blue (76%)



- Cyan (58%)
- Magenta (0%)
- Yellow (47%)
- Black (24%)





- Cyan (68%)
- Magenta (24%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9978, 40.9130, 19.4114 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 24.9978, 40.9130, 19.4114 by changing the saturation by 10% instead.


 24.9978, 40.9130,
19.4114


 24.9978, 40.9130,
19.4114


270.1748,
349.9569, 261.2086


 16.2041, 28.2511,
11.7881


 51.0966, 76.5518,
43.2740


 9.7605, 18.5150,
6.4788


 69.1324, 100.2975,
60.3505

 5.3015, 11.3204,
3.0649


 90.9796, 128.5066,
81.4150

 2.4618, 6.2828,
1.1279

 117.0037,
161.5635, 106.8862

 0.8760, 3.0178,
0.0000

147.5699,
199.8526, 137.1827

 0.0000, 1.1410,
0.0000

183.0435,

 0.0000, 0.0127,

243.7582, 172.7228

0.0000

223.7901,
293.6649, 213.9253

■ 0.0000, 0.0000,
0.0000

■ 24.9978, 40.9130,
19.4114

■ 24.9978, 40.9130,
19.4114

■ 22.8364, 39.8823,
15.5872

■ 27.7803, 42.2492,
24.0338

■ 21.2440, 39.1278,
12.5132

■ 31.2243, 43.9073,
29.4934

■ 20.1650, 38.6230,
10.1407

■ 35.3704, 45.9088,
35.8296

■ 19.5208, 38.3284,
8.4133

■ 40.2551, 48.2716,
43.0788

■ 19.3971, 38.2720,
8.0755

■ 45.9123, 51.0124,
51.2753

■ 52.3737, 54.1470,
60.4514

■ 59.6693, 57.6901,
70.6382

■ 67.8275, 61.6557,
81.8651

■ 76.6158, 65.9235,
94.1484

Harmonies

Analogous

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



31.2553, 40.9130, 10.5832



24.9978, 40.9130, 19.4114



22.4785, 40.9130, 39.6259

Triad

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



24.9978, 40.9130, 19.4114



37.1279, 40.9130, 126.8652



59.4913, 40.9130, 24.9613

Complementary

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



24.9978, 40.9130, 19.4114



32.4572, 20.3513, 41.2485

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.



61.8001, 40.9130, 49.8602



24.9978, 40.9130, 19.4114



47.6687, 40.9130, 117.2405

Square

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



24.9978, 40.9130, 19.4114



28.6568, 40.9130, 107.7587



57.1516, 40.9130, 85.3193



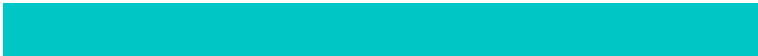
51.3002, 40.9130, 12.6689

Rectangle

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



24.9978, 40.9130, 19.4114



22.8721, 40.9130, 60.4009



57.1516, 40.9130, 85.3193



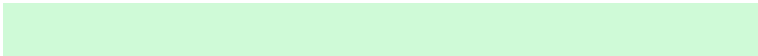
61.0352, 40.9130, 31.7431

Sweetspot

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



24.9988, 40.9147, 19.4123



72.3276, 86.5643, 77.4932



37.7507, 47.5954, 15.1801



15.1122, 18.3751, 16.0309



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.



24.9988, 40.9147, 19.4123



40.0726, 71.0342, 26.3771



28.7094, 42.3989, 38.9520



10.0206, 11.2893, 11.1116



12.9232, 25.4633, 5.4886



0.5824, 1.1098, 0.3636

Inverse Universe

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



32.4572, 20.3513, 41.2485



54.6358, 30.7033, 68.8814



28.2304, 18.6606, 18.9905



10.4129, 10.2138, 12.2650



18.6740, 9.1593, 21.9929



0.8284, 0.4044, 1.0639

Previews

White Background



This preview shows how the XYZ color 24.9978, 40.9130, 19.4114 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 24.9978, 40.9130, 19.4114 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 24.9978, 40.9130, 19.4114

Background



This preview shows how black text looks on a background with the XYZ color 24.9978, 40.9130, 19.4114.



This preview shows how white text looks on a background with the XYZ color 24.9978, 40.9130,

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

24.9978, 40.9130, 19.4114

Protanopia

36.9338, 40.1405, 16.6277

Deuteranopia

41.0885, 40.2993, 20.3648



Tritanopia

32.7499, 40.5513, 58.9244

Trichromacy



Original Color

24.9978, 40.9130, 19.4114



Protanomaly

30.5194, 39.1122, 17.4961



Deuteranomaly

32.2871, 38.8072, 19.6988



Tritanomaly

29.0995, 40.3035, 40.8960

Monochromacy



Original Color

24.9978, 40.9130, 19.4114



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.3273, 33.3259, 27.2352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9978, 40.9130, 19.4114 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(82, 193, 103)` looks like.

```
.text, #text, p{  
    color:rgb(82, 193, 103)  
}
```

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(82, 193, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 193, 103) }
```

Border

The CSS property to change the border of an element to XYZ 24.9978, 40.9130, 19.4114 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(82, 193, 103) }
```


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

```
.border{ border-color:rgb(82, 193, 103) }
```

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

Here you see how a box with a 4 pixel rgb(82, 193, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 193, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 193, 103);  
box-shadow:4px 4px 4px 4px rgb(82, 193,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9978, 40.9130, 19.4114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 193, 103) }
```

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

```
.background{ background-color: rgb(82, 193,  
103) }
```

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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