

Converting Colors

XYZ(24.3115, 40.2884, 30.2754)

Have a look what the booklet for
XYZ(24.3115, 40.2884, 30.2754)
contains.

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Color

**XYZ(24.3129, 40.3211,
30.1682)**

Conversions

Conversions Part 1

Format	Color
Hex	24C189
RGB	36, 193, 137
RGB Percent	14%, 76%, 54%
CMY	0.8588, 0.2431, 0.4627
CMYK	0.81, 0.00, 0.29, 0.24
HSL	159°, 69%, 45%
HSV	159°, 81%, 76%
XYZ	24.3129, 40.3211, 30.1682
YIQ	139.6730, -75.5960, -50.7000

Conversions

Conversions Part 2

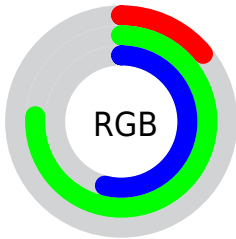
Format	Color
RYB	36, 132, 193
Decimal	2408841
CIELab	69.70, -51.99, 17.37
CIELCh	70, 54.814, 161.525
Yxy	40.3211, 0.2565, 0.4253
Android (android.graphics.Color)	4280598921 (0xFF24C189)
YUV	139.6730, -1.3178, -90.9212
Hunter-Lab	63.4989, -42.7777, 16.2807

Details

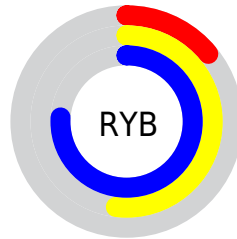
The XYZ color **24.3129, 40.3211, 30.1682** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **24.5564, 13.3730, 11.4145**, and the grayscale version is **24.8278, 26.1208, 28.4456**.

A 20% lighter version of the original color is **49.8963, 75.3840, 61.2110**, and **10.8088, 18.8651, 12.0885** is the 20% darker color. If you saturate the color by 10%, you get **23.3338, 39.8726, 27.6267**, and if you desaturate by 10%, it is **25.6885, 40.9724, 32.8946**.

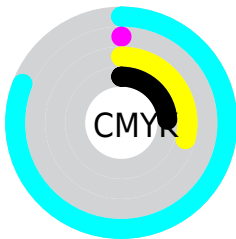
Distribution



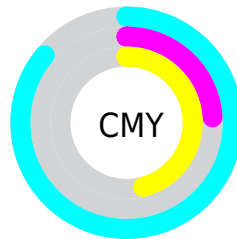
- Red (14%)
- Green (76%)
- Blue (54%)



- Red (14%)
- Yellow (52%)
- Blue (76%)



- Cyan (81%)
- Magenta (0%)
- Yellow (29%)
- Black (24%)





- Cyan (86%)
- Magenta (24%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.3129, 40.3211, 30.1682 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 24.3129, 40.3211, 30.1682 by changing the saturation by 10% instead.


 24.3129, 40.3211,
30.1682


 24.3129, 40.3211,
30.1682


266.8098,
347.4751, 316.9194


 15.6919, 27.7890,
19.7132


 49.9913, 75.6522,
60.9922


 9.3958, 18.1667,
12.0047


 67.7794, 99.2200,
82.1983


 5.0594, 11.0697,
6.6243


 89.3539, 127.2352,
107.8251

 2.3173, 6.1137,
3.1534

 115.0801,
160.0821, 138.2912

 0.8035, 2.9144,
1.1735

 145.3235,
198.1451, 174.0151

 0.0000, 1.0872,
0.0000

180.4493,

 0.0000, 0.0000,

241.8087, 215.4155

0.0000

220.8230,
291.4573, 262.9107

■ 24.3129, 40.3211,
30.1682

■ 24.3129, 40.3211,
30.1682

■ 23.3338, 39.8726,
27.6267

■ 25.6885, 40.9724,
32.8946


■ 22.7187, 39.6005,
25.5672


■ 27.5091, 41.8484,
35.8084


■ 29.8194, 42.9730,
38.9155


■ 32.6575, 44.3658,
42.2205

■ 36.0576, 46.0445,
45.7277

 40.0511, 48.0252,
49.4414

 44.6668, 50.3226,
53.3654

 49.9318, 52.9507,
57.5036

 55.8714, 55.9224,
61.8597

Harmonies

Analogous

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



28.0896, 40.3211, 16.5414



24.3129, 40.3211, 30.1682



23.9198, 40.3211, 54.4069

Triad

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



24.3129, 40.3211, 30.1682



41.8349, 40.3211, 111.2909



52.5685, 40.3211, 18.8237

Complementary

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



24.3129, 40.3211, 30.1682



24.5564, 13.3730, 11.4145

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.



57.5895, 40.3211, 34.8460



24.3129, 40.3211, 30.1682



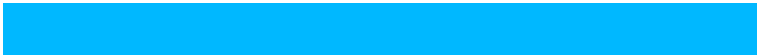
50.7838, 40.3211, 91.5842

Square

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



24.3129, 40.3211, 30.1682



33.1678, 40.3211, 108.4652



56.8901, 40.3211, 61.2779



43.9886, 40.3211, 11.9534

Rectangle

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



24.3129, 40.3211, 30.1682



25.5430, 40.3211, 74.7275



56.8901, 40.3211, 61.2779



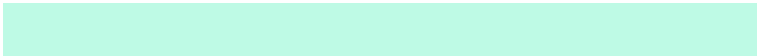
54.7841, 40.3211, 22.9898

Sweetspot

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



24.3140, 40.3227, 30.1691



69.4447, 84.8760, 86.4902



23.9617, 40.6259, 8.2484



14.3458, 17.9347, 18.0420



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.



24.3140, 40.3227, 30.1691



40.7869, 70.9693, 45.9840



25.1198, 33.7575, 55.6458



10.2111, 11.3655, 12.1148



15.1493, 26.3538, 17.2112



0.6864, 1.1514, 0.9114

Inverse Universe

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



24.5564, 13.3730, 11.4145



41.3902, 21.1930, 12.1163



23.7719, 14.3857, 3.1936



10.2183, 10.1359, 11.2401



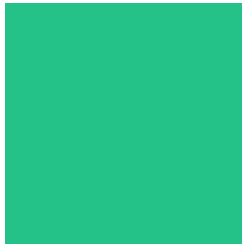
15.3737, 7.8392, 4.6138



0.6973, 0.3519, 0.3734

Previews

White Background



This preview shows how the XYZ color 24.3129, 40.3211, 30.1682 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 24.3129, 40.3211, 30.1682 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

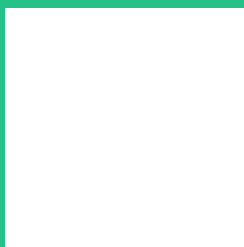
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.3129, 40.3211, 30.1682

Background



This preview shows how black text looks on a background with the XYZ color 24.3129, 40.3211, 30.1682.



This preview shows how white text looks on a background with the XYZ color 24.3129, 40.3211,

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

24.3129, 40.3211, 30.1682

Protanopia

37.0099, 39.7060, 25.4521

Deuteranopia

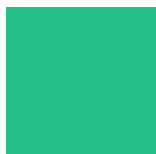
40.2025, 39.3236, 31.8569



Tritanopia

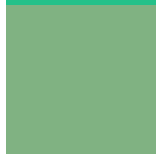
30.4468, 40.2458, 60.8071

Trichromacy



Original Color

24.3129, 40.3211, 30.1682



Protanomaly

28.8517, 38.0417, 26.9412



Deuteranomaly

30.0678, 37.1286, 30.7811



Tritanomaly

27.7227, 40.0706, 47.8682

Monochromacy



Original Color

24.3129, 40.3211, 30.1682



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

22.5378, 29.4851, 28.9294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3129, 40.3211, 30.1682 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(36, 193, 137)` looks like.

```
.text, #text, p{  
    color:rgb(36, 193, 137)  
}
```

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(36, 193, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 193, 137) }
```

Border

The CSS property to change the border of an element to XYZ 24.3129, 40.3211, 30.1682 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(36, 193, 137) }
```


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

```
.border{ border-color:rgb(36, 193, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 193, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(36, 193, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(36, 193, 137); box-shadow:4px 4px 4px 4px rgb(36, 193, 137) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3129, 40.3211, 30.1682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 193, 137) }
```

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

```
.background{ background-color: rgb(36, 193,  
137) }
```

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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