

Converting Colors

XYZ(22.6078, 39.8388, 24.1119)

Have a look what the booklet for
XYZ(22.6078, 39.8388, 24.1119)
contains.

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Color

**XYZ(22.6820, 39.9396,
24.2830)**

Conversions

Conversions Part 1

Format	Color
Hex	00C278
RGB	0, 194, 120
RGB Percent	0%, 76%, 47%
CMY	0.9999, 0.2392, 0.5294
CMYK	1.00, 0.00, 0.38, 0.24
HSL	157°, 100%, 38%
HSV	157°, 100%, 76%
XYZ	22.6820, 39.9396, 24.2830
YIQ	127.5580, -91.8700, -64.1420

Conversions

Conversions Part 2

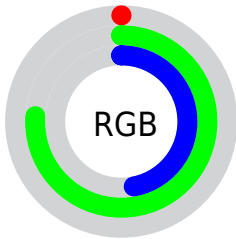
Format	Color
RYB	0, 120, 194
Decimal	49784
CIELab	69.43, -58.08, 26.00
CIELCh	69, 63.637, 155.884
Yxy	39.9396, 0.2610, 0.4596
Android (android.graphics.Color)	4278239864 (0xFF00C278)
YUV	127.5580, -3.7261, -111.8684
Hunter-Lab	63.1978, -46.5316, 21.4570

Details

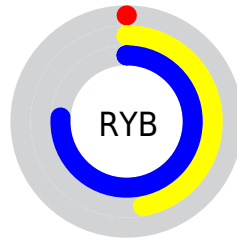
The XYZ color **22.6820, 39.9396, 24.2830** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **23.4859, 11.9649, 7.5540**, and the grayscale version is **20.4027, 21.4653, 23.3757**.

A 20% lighter version of the original color is **47.4988, 75.2906, 51.5643**, and **10.3699, 18.9202, 9.0666** is the 20% darker color. If you saturate the color by 10%, you get **22.6823, 39.9409, 24.2814**, and if you desaturate by 10%, it is **23.4264, 40.2705, 26.7550**.

Distribution



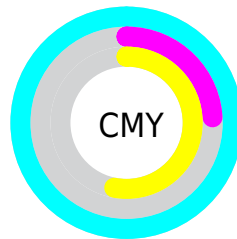
- Red (0%)
- Green (76%)
- Blue (47%)



- Red (0%)
- Yellow (47%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (24%)





- Cyan (100%)
- Magenta (24%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.6820, 39.9396, 24.2830 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 22.6820, 39.9396, 24.2830 by changing the saturation by 10% instead.


 22.6820, 39.9396,
24.2830


 22.6820, 39.9396,
24.2830


258.6534,
345.8689, 287.5806


 14.4783, 27.4915,
15.3295


 47.3412, 75.0715,
51.4412

 8.5380, 17.9427,
8.9018


 64.5273, 98.5241,
70.4831


 4.4958, 10.9088,
4.5813


 85.4383, 126.4136,
93.7248

 1.9862, 6.0056,
1.9493

 110.4395,
159.1244, 121.5850

 0.6262, 2.8485,
0.5239

 139.8962,
197.0410, 154.4821

 0.0000, 1.0531,
0.0000

174.1739,

 0.0000, 0.0000,

240.5477, 192.8347

0.0000

213.6378,
290.0288, 237.0614

■ 22.6820, 39.9396,
24.2830

■ 22.6820, 39.9396,
24.2830

■ 22.6823, 39.9409,
24.2814

■ 23.4264, 40.2705,
26.7550

■ 24.4818, 40.7565,
29.4259

■ 25.9482, 41.4503,
32.3050

■ 27.8768, 42.3780,
35.3985

■ 30.3110, 43.5621,
38.7120

■ 33.2890, 45.0221,
42.2508

■ 36.8451, 46.7756,
46.0200

■ 41.0108, 48.8388,
50.0242

■ 45.8152, 51.2266,
54.2682

Harmonies

Analogous

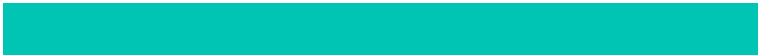
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.5541, 39.9396, 11.9396



22.6820, 39.9396, 24.2830



21.5561, 39.9396, 49.5256

Triad

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



22.6820, 39.9396, 24.2830



40.0150, 39.9396, 127.1083



56.2448, 39.9396, 18.1088

Complementary

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



22.6820, 39.9396, 24.2830



23.4859, 11.9649, 7.5540

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.



61.0982, 39.9396, 37.9611



22.6820, 39.9396, 24.2830



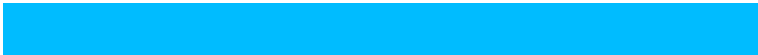
50.7059, 39.9396, 107.0088

Square

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



22.6820, 39.9396, 24.2830



30.4742, 39.9396, 117.8903



58.9081, 39.9396, 70.8233



46.5843, 39.9396, 9.6612

Rectangle

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



22.6820, 39.9396, 24.2830



22.8646, 39.9396, 73.0278



58.9081, 39.9396, 70.8233



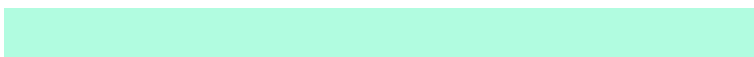
58.5647, 39.9396, 23.2297

Sweetspot

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



22.6830, 39.9412, 24.2839



66.4132, 84.5754, 83.0318



22.1460, 40.0560, 6.5650



13.9130, 18.2097, 17.5305



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.



22.6830, 39.9412, 24.2839



40.9649, 72.3090, 43.3148



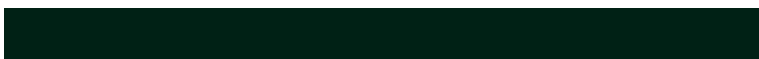
24.3715, 33.1618, 56.1571



10.2004, 11.3612, 12.0585



14.9534, 26.2754, 16.1796



0.6788, 1.1484, 0.8715

Inverse Universe

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



23.4859, 11.9649, 7.5540



42.4335, 21.6297, 13.0786



22.5486, 12.0688, 1.1417



10.2286, 10.1401, 11.2945



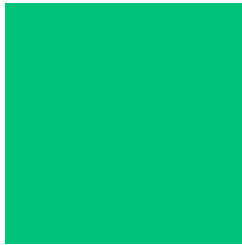
15.4775, 7.8808, 5.1606



0.7024, 0.3540, 0.4002

Previews

White Background



This preview shows how the XYZ color 22.6820, 39.9396, 24.2830 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 22.6820, 39.9396, 24.2830 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 22.6820, 39.9396, 24.2830

Background



This preview shows how black text looks on a background with the XYZ color 22.6820, 39.9396, 24.2830.

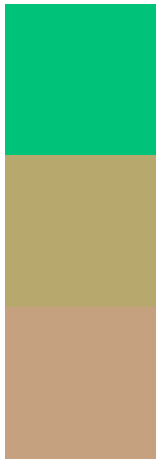


This preview shows how white text looks on a background with the XYZ color 22.6820, 39.9396,

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

22.6820, 39.9396, 24.2830

Protanopia

36.2914, 39.1767, 20.1171

Deuteranopia

39.9299, 39.0540, 25.8557



Tritanopia

29.9751, 39.7066, 60.1171

Trichromacy



Original Color

22.6820, 39.9396, 24.2830



Protanomaly

25.9052, 36.3495, 21.2736



Deuteranomaly

27.2494, 35.8034, 24.8766



Tritanomaly

26.3211, 39.4266, 44.2530

Monochromacy



Original Color

22.6820, 39.9396, 24.2830



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

18.3232, 25.6865, 23.3943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6820, 39.9396, 24.2830 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(0, 194, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 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(0, 194, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 120) }
```

Border

The CSS property to change the border of an element to XYZ 22.6820, 39.9396, 24.2830 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(0, 194, 120) }
```


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

```
.border{ border-color:rgb(0, 194, 120) }
```

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

Here you see how a box with a 4 pixel rgb(0, 194, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6820, 39.9396, 24.2830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 120) }
```

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

```
.background{ background-color: rgb(0, 194,  
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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