

Converting Colors

XYZ(22.7465, 39.2592, 26.8002)

Have a look what the booklet for
XYZ(22.7465, 39.2592, 26.8002)
contains.

XYZ(22.7459, 39.2578, 26.8008)	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(22.7459, 39.2578,
26.8008)**

Conversions

Conversions Part 1

Format	Color
Hex	00C080
RGB	0, 192, 128
RGB Percent	0%, 75%, 50%
CMY	0.9999, 0.2470, 0.4980
CMYK	1.00, 0.00, 0.33, 0.25
HSL	160°, 100%, 38%
HSV	160°, 100%, 75%
XYZ	22.7459, 39.2578, 26.8008
YIQ	127.2960, -93.8880, -60.6080

Conversions

Conversions Part 2

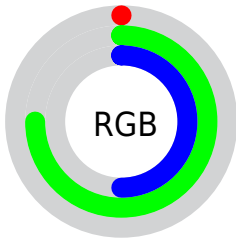
Format	Color
RYB	0, 115, 192
Decimal	49280
CIELab	68.94, -55.68, 21.10
CIELCh	69, 59.549, 159.244
Yxy	39.2578, 0.2561, 0.4421
Android (android.graphics.Color)	4278239360 (0xFF00C080)
YUV	127.2960, 0.3471, -111.6386
Hunter-Lab	62.6560, -44.8476, 18.4982

Details

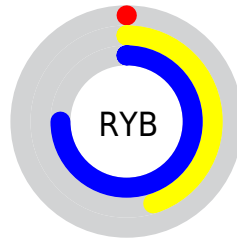
The XYZ color **22.7459, 39.2578, 26.8008** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **22.6650, 11.5775, 5.8927**, and the grayscale version is **20.2984, 21.3555, 23.2562**.

A 20% lighter version of the original color is **47.5631, 74.3041, 55.5513**, and **10.3208, 18.4414, 10.2233** is the 20% darker color. If you saturate the color by 10%, you get **22.7465, 39.2592, 26.8002**, and if you desaturate by 10%, it is **23.4543, 39.5738, 29.1041**.

Distribution



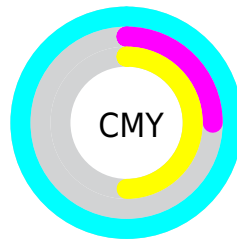
- Red (0%)
- Green (75%)
- Blue (50%)



- Red (0%)
- Yellow (45%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7459, 39.2578, 26.8008 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 22.7459, 39.2578, 26.8008 by changing the saturation by 10% instead.


 22.7459, 39.2578,
26.8008


 22.7459, 39.2578,
26.8008


258.9770,
342.9853, 300.4209


 14.5257, 26.9603,
17.1926


 47.4455, 74.0320,
55.5639


 8.5713, 17.5434,
10.2085


 64.6556, 97.2775,
75.5558


 4.5175, 10.6227,
5.4300


 85.5929, 124.9411,
99.8461

 1.9989, 5.8137,
2.4386

 110.6230,
157.4073, 128.8532

 0.6333, 2.7322,
0.8073

 140.1110,
195.0604, 162.9957

 0.0000, 0.9936,
0.0000

174.4225,

 0.0000, 0.0000,

238.2849, 202.6921

0.0000

213.9227,
287.4650, 248.3610

■ 22.7459, 39.2578,
26.8008

■ 22.7459, 39.2578,
26.8008

■ 22.7465, 39.2592,
26.8002

■ 23.4543, 39.5738,
29.1041

■ 24.4581, 40.0379,
31.5616

■ 25.8554, 40.7017,
34.1811

■ 27.6958, 41.5907,
36.9674

■ 30.0213, 42.7265,
39.9247

■ 32.8691, 44.1282,
43.0569

■ 36.2722, 45.8129,
46.3678

■ 40.2613, 47.7961,
49.8610

■ 44.8644, 50.0924,
53.5398

Harmonies

Analogous

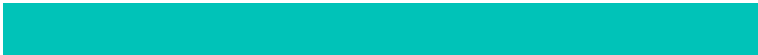
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.9395, 39.2578, 13.7439



22.7459, 39.2578, 26.8008



22.0731, 39.2578, 51.6808

Triad

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



22.7459, 39.2578, 26.8008



40.3153, 39.2578, 117.6326



53.2650, 39.2578, 17.5154

Complementary

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



22.7459, 39.2578, 26.8008



22.6650, 11.5775, 5.8927

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.



58.3238, 39.2578, 34.9037



22.7459, 39.2578, 26.8008



50.0577, 39.2578, 97.1815

Square

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



22.7459, 39.2578, 26.8008



31.2257, 39.2578, 112.3963



57.0599, 39.2578, 64.0153



44.1449, 39.2578, 10.1754

Rectangle

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



22.7459, 39.2578, 26.8008



23.5746, 39.2578, 73.6151



57.0599, 39.2578, 64.0153



55.5615, 39.2578, 21.9962

Sweetspot

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



22.7469, 39.2594, 26.8017



65.3961, 82.8462, 83.7127



21.1796, 38.9014, 6.3928



13.4449, 17.4835, 17.4050



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.



22.7469, 39.2594, 26.8017



41.0921, 71.0841, 47.9177



22.6485, 30.0731, 54.4821



10.2212, 11.3695, 12.1680



15.3427, 26.4311, 18.2296



0.6938, 1.1544, 0.9503

Inverse Universe

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



22.6650, 11.5775, 5.8927



40.9617, 20.9348, 10.1275



22.1739, 12.0764, 1.1627



10.2086, 10.1320, 11.1890



15.2829, 7.8029, 4.1359



0.6927, 0.3501, 0.3492

Previews

White Background



This preview shows how the XYZ color 22.7459, 39.2578, 26.8008 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 22.7459, 39.2578, 26.8008 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 22.7459, 39.2578, 26.8008

Background



This preview shows how black text looks on a background with the XYZ color 22.7459, 39.2578, 26.8008.



This preview shows how white text looks on a background with the XYZ color 22.7459, 39.2578,

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

22.7459, 39.2578, 26.8008

Protanopia

35.8520, 38.6251, 22.3954

Deuteranopia

39.1921, 38.3602, 28.2603



Tritanopia

29.3733, 39.1024, 59.4255

Trichromacy



Original Color

22.7459, 39.2578, 26.8008



Protanomaly

26.0468, 36.0760, 23.6797



Deuteranomaly

27.0858, 35.3819, 27.2316



Tritanomaly

26.0566, 38.6272, 45.6176

Monochromacy



Original Color

22.7459, 39.2578, 26.8008



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

18.2907, 25.4149, 24.0202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7459, 39.2578, 26.8008 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, 192, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 128)  
}
```

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, 192, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 128) }
```

Border

The CSS property to change the border of an element to XYZ 22.7459, 39.2578, 26.8008 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, 192, 128) }
```


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

```
.border{ border-color:rgb(0, 192, 128) }
```

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

Here you see how a box with a 4 pixel rgb(0, 192, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7459, 39.2578, 26.8008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 128) }
```

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

```
.background{ background-color: rgb(0, 192,  
128) }
```

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