

Converting Colors

XYZ(24.2872, 40.6121, 31.4108)

Have a look what the booklet for
XYZ(24.2872, 40.6121, 31.4108)
contains.

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Color

**XYZ(24.2749, 40.6056,
31.3692)**

Conversions

Conversions Part 1

Format	Color
Hex	12C28C
RGB	18, 194, 140
RGB Percent	7%, 76%, 55%
CMY	0.9293, 0.2392, 0.4510
CMYK	0.91, 0.00, 0.28, 0.24
HSL	162°, 83%, 42%
HSV	162°, 91%, 76%
XYZ	24.2749, 40.6056, 31.3692
YIQ	135.2200, -87.5620, -54.1060

Conversions

Conversions Part 2

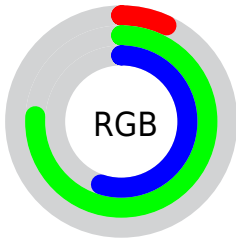
Format	Color
RYB	18, 122, 194
Decimal	1229452
CIELab	69.90, -53.02, 16.01
CIELCh	70, 55.386, 163.199
Yxy	40.6056, 0.2522, 0.4219
Android (android.graphics.Color)	4279419532 (0xFF12C28C)
YUV	135.2200, 2.3565, -102.8019
Hunter-Lab	63.7225, -43.5154, 15.4186

Details

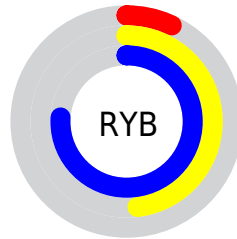
The XYZ color **24.2749, 40.6056, 31.3692** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **23.6358, 12.3710, 7.2760**, and the grayscale version is **23.1279, 24.3324, 26.4980**.

A 20% lighter version of the original color is **50.1415, 76.3994, 63.1428**, and **11.0781, 19.2034, 12.7956** is the 20% darker color. If you saturate the color by 10%, you get **23.6287, 40.3194, 29.2649**, and if you desaturate by 10%, it is **25.2552, 41.0599, 33.7700**.

Distribution



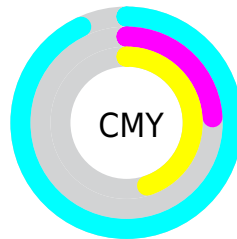
- Red (7%)
- Green (76%)
- Blue (55%)



- Red (7%)
- Yellow (48%)
- Blue (76%)



- Cyan (91%)
- Magenta (0%)
- Yellow (28%)
- Black (24%)





- Cyan (93%)
- Magenta (24%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2749, 40.6056, 31.3692 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 24.2749, 40.6056, 31.3692 by changing the saturation by 10% instead.


 24.2749, 40.6056,
31.3692


 24.2749, 40.6056,
31.3692


266.6221,
348.6695, 322.6393


 15.6635, 28.0110,
20.6193


 49.9298, 76.0848,
62.9072


 9.3757, 18.3340,
12.6575


 67.7041, 99.7383,
84.5325


 5.0461, 11.1900,
7.0652


 89.2634, 127.8468,
110.6200

 2.3094, 6.1948,
3.4238

 114.9730,
160.7948, 141.5882

 0.7995, 2.9639,
1.3149

 145.1983,
198.9667, 177.8557

 0.0000, 1.1129,
0.0740

180.3047,

 0.0000, 0.0000,

242.7468, 219.8410

0.0000

220.6575,
292.5197, 267.9627

■ 24.2749, 40.6056,
31.3692

■ 24.2749, 40.6056,
31.3692

■ 23.6287, 40.3194,
29.2649

■ 25.2552, 41.0599,
33.7700

■ 26.6293, 41.7134,
36.3141

■ 28.4498, 42.5942,
39.0070

■ 30.7602, 43.7247,
41.8523

■ 33.5987, 45.1244,
44.8536

■ 36.9995, 46.8112,
48.0144

■ 40.9941, 48.8010,
51.3377

■ 45.6113, 51.1089,
54.8266

■ 50.8781, 53.7485,
58.4840

Harmonies

Analogous

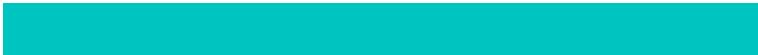
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.9109, 40.6056, 17.0152



24.2749, 40.6056, 31.3692



24.0687, 40.6056, 56.5335

Triad

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



24.2749, 40.6056, 31.3692



42.6858, 40.6056, 112.2216



52.6470, 40.6056, 18.2083

Complementary

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



24.2749, 40.6056, 31.3692



23.6358, 12.3710, 7.2760

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.



58.0317, 40.6056, 33.8260



24.2749, 40.6056, 31.3692



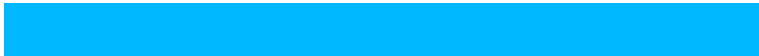
51.7060, 40.6056, 91.1252

Square

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



24.2749, 40.6056, 31.3692



33.8016, 40.6056, 110.7270



57.6627, 40.6056, 60.1555



43.8202, 40.6056, 11.6986

Rectangle

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



24.2749, 40.6056, 31.3692



25.8401, 40.6056, 77.3139



57.6627, 40.6056, 60.1555



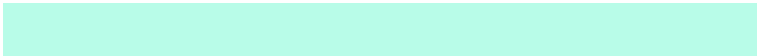
54.9769, 40.6056, 22.2344

Sweetspot

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



24.2760, 40.6072, 31.3701



69.2877, 85.9296, 88.9321



22.2063, 40.0744, 7.1377



14.6500, 18.5574, 19.0236



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.



24.2760, 40.6072, 31.3701



42.6884, 72.9984, 52.3905



22.8621, 29.7727, 55.5825



10.2327, 11.3741, 12.2285



15.5726, 26.5231, 19.4403



0.7025, 1.1578, 0.9959

Inverse Universe

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



23.6358, 12.3710, 7.2760



41.6641, 21.3220, 9.0270



23.5109, 13.8187, 2.0011



10.1976, 10.1277, 11.1312



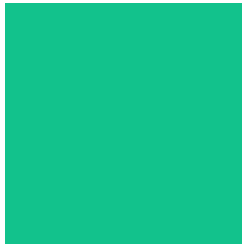
15.1881, 7.7650, 3.6368



0.6877, 0.3481, 0.3230

Previews

White Background



This preview shows how the XYZ color 24.2749, 40.6056, 31.3692 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 24.2749, 40.6056, 31.3692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

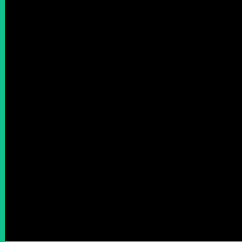
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.2749, 40.6056, 31.3692

Background



This preview shows how black text looks on a background with the XYZ color 24.2749, 40.6056, 31.3692.



This preview shows how white text looks on a background with the XYZ color 24.2749, 40.6056,

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

24.2749, 40.6056, 31.3692

Protanopia

37.1403, 39.7582, 26.1387

Deuteranopia

40.6118, 39.7703, 33.1397



Tritanopia

30.3483, 40.4931, 61.4748

Trichromacy



Original Color

24.2749, 40.6056, 31.3692



Protanomaly

28.1113, 37.6443, 27.6143



Deuteranomaly

29.3760, 37.0315, 31.9851



Tritanomaly

27.6009, 40.3028, 48.9723

Monochromacy



Original Color

24.2749, 40.6056, 31.3692



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

20.8175, 27.8584, 27.9469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2749, 40.6056, 31.3692 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(18, 194, 140)` looks like.

```
.text, #text, p{  
    color:rgb(18, 194, 140)  
}
```

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(18, 194, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 194, 140) }
```

Border

The CSS property to change the border of an element to XYZ 24.2749, 40.6056, 31.3692 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(18, 194, 140) }
```


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

```
.border{ border-color:rgb(18, 194, 140) }
```

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

Here you see how a box with a 4 pixel rgb(18, 194, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 194, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 194, 140);  
box-shadow:4px 4px 4px 4px rgb(18, 194,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2749, 40.6056, 31.3692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 194, 140) }
```

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

```
.background{ background-color: rgb(18, 194,  
140) }
```

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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