

Converting Colors

XYZ(27.6976, 46.7128, 31.4896)

Have a look what the booklet for
XYZ(27.6976, 46.7128, 31.4896)
contains.

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Color

**XYZ(27.8147, 46.9320,
31.6376)**

Conversions

Conversions Part 1

Format	Color
Hex	29CF8A
RGB	41, 207, 138
RGB Percent	16%, 81%, 54%
CMY	0.8392, 0.1882, 0.4588
CMYK	0.80, 0.00, 0.33, 0.19
HSL	155°, 67%, 49%
HSV	155°, 80%, 81%
XYZ	27.8147, 46.9320, 31.6376
YIQ	149.5000, -76.7870, -56.6510

Conversions

Conversions Part 2

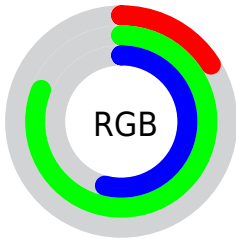
Format	Color
RYB	41, 146, 207
Decimal	2740106
CIELab	74.15, -56.60, 22.96
CIELCh	74, 61.082, 157.924
Yxy	46.9320, 0.2615, 0.4412
Android (android.graphics.Color)	4280930186 (0xFF29CF8A)
YUV	149.5000, -5.6695, -95.1545
Hunter-Lab	68.5069, -47.4138, 20.5738

Details

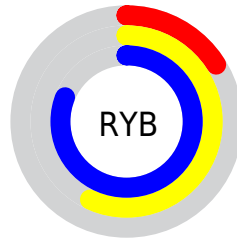
The XYZ color **27.8147, 46.9320, 31.6376** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark muted spring green. A complement of this color would be **29.3411, 15.9781, 16.2915**, and the grayscale version is **28.8256, 30.3267, 33.0258**.

A 20% lighter version of the original color is **52.3447, 78.9706, 62.3532**, and **12.8281, 22.8378, 12.9645** is the 20% darker color. If you saturate the color by 10%, you get **26.5973, 46.3748, 28.4571**, and if you desaturate by 10%, it is **29.5175, 47.7362, 35.1006**.

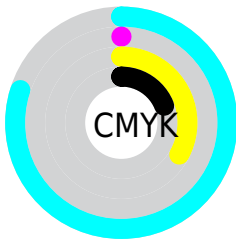
Distribution



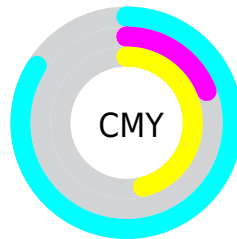
- Red (16%)
- Green (81%)
- Blue (54%)



- Red (16%)
- Yellow (57%)
- Blue (81%)



- Cyan (80%)
- Magenta (0%)
- Yellow (33%)
- Black (19%)



- Cyan (84%)
- Magenta (19%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8147, 46.9320, 31.6376 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 27.8147, 46.9320, 31.6376 by changing the saturation by 10% instead.

■ 27.8147, 46.9320,
31.6376

■ 27.8147, 46.9320,
31.6376

283.6766,
374.5430, 323.9068

■ 18.3258, 32.9819,
20.8223

■ 55.5992, 85.6121,
63.3338

■ 11.2852, 22.1126,
12.8042

■ 74.6254, 111.1109,
85.0518

■ 6.3277, 13.9396,
7.1647

■ 97.5615, 141.2281,
111.2412

■ 3.0879, 8.0787,
3.4853

■ 124.7728,
176.3480, 142.3204

■ 1.2004, 4.1453,
1.3475

■ 156.6245,
216.8550, 178.7080

■ 0.1067, 1.7552,
0.1002

193.4822,

■ 0.0000, 0.4590,

263.1336, 220.8226

0.0000

235.7111,
315.5682, 269.0827

■ 0.0000, 0.0000,
0.0000

■ 27.8147, 46.9320,
31.6376

■ 27.8147, 46.9320,
31.6376

■ 26.5973, 46.3748,
28.4571

■ 29.5175, 47.7362,
35.1006

■ 25.7622, 46.0067,
25.5978

■ 31.7629, 48.8131,
38.8513

■ 34.6037, 50.1909,
42.8989

■ 38.0848, 51.8928,
47.2509

■ 42.2472, 53.9396,
51.9144

■ 47.1278, 56.3505,
56.8962

■ 52.7611, 59.1429,
62.2030

■ 59.1793, 62.3335,
67.8410

■ 66.4125, 65.9376,
73.8163

Harmonies

Analogous

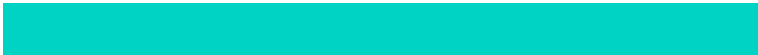
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.8867, 46.9320, 16.7864



27.8147, 46.9320, 31.6376



26.8471, 46.9320, 59.8654

Triad

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



27.8147, 46.9320, 31.6376



47.5711, 46.9320, 137.0157



63.3448, 46.9320, 22.2953

Complementary

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



27.8147, 46.9320, 31.6376



29.3411, 15.9781, 16.2915

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.



68.8562, 46.9320, 43.2366



27.8147, 46.9320, 31.6376



58.8268, 46.9320, 114.8821

Square

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



27.8147, 46.9320, 31.6376



37.1590, 46.9320, 129.7344



67.0801, 46.9320, 77.2532



52.9901, 46.9320, 13.1343

Rectangle

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



27.8147, 46.9320, 31.6376



28.4821, 46.9320, 84.8271



67.0801, 46.9320, 77.2532



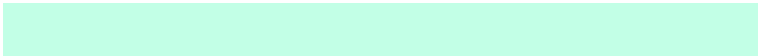
65.8964, 46.9320, 27.7604

Sweetspot

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



27.8159, 46.9339, 31.6387



72.1781, 88.6514, 87.8471



29.1657, 48.1134, 9.8480



14.8537, 18.6811, 18.1903



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.



27.8159, 46.9339, 31.6387



41.6575, 73.8938, 42.3095



31.2852, 43.1919, 65.7216



11.9418, 13.3205, 14.0502



16.2789, 29.0045, 16.3805



0.9493, 1.6374, 1.1215

Inverse Universe

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



29.3411, 15.9781, 16.2915



44.2730, 22.6503, 17.3553



27.4920, 16.1431, 3.7653



12.0096, 11.8886, 13.3265



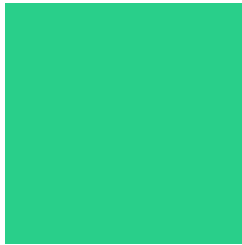
17.3166, 8.7995, 6.5732



1.0074, 0.5077, 0.5736

Previews

White Background



This preview shows how the XYZ color 27.8147, 46.9320, 31.6376 looks on a white background.

Color Contrast Check

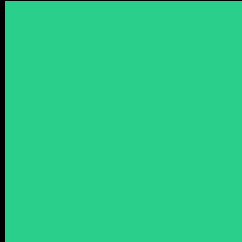
Large Text (above 18pt) WCAG AA × Fail

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 27.8147, 46.9320, 31.6376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

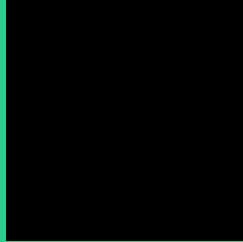
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.8147, 46.9320, 31.6376

Background



This preview shows how black text looks on a background with the XYZ color 27.8147, 46.9320, 31.6376.

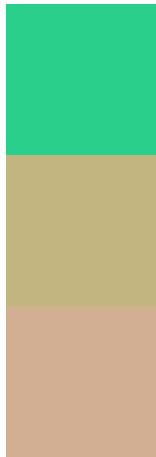


This preview shows how white text looks on a background with the XYZ color 27.8147, 46.9320,

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

27.8147, 46.9320, 31.6376

Protanopia

42.8603, 46.1822, 26.7337

Deuteranopia

46.9027, 46.0491, 33.6104



Tritanopia

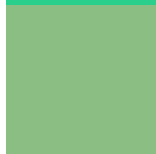
35.7250, 46.9925, 70.8059

Trichromacy



Original Color

27.8147, 46.9320, 31.6376



Protanomaly

33.1577, 43.9546, 28.2092



Deuteranomaly

34.9113, 43.4905, 32.5411



Tritanomaly

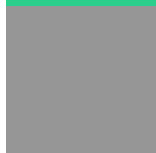
31.9963, 46.4767, 53.7389

Monochromacy



Original Color

27.8147, 46.9320, 31.6376



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.1816, 34.5161, 32.4765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8147, 46.9320, 31.6376 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(41, 207, 138)` looks like.

```
.text, #text, p{  
    color:rgb(41, 207, 138)  
}
```

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(41, 207, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 207, 138) }
```

Border

The CSS property to change the border of an element to XYZ 27.8147, 46.9320, 31.6376 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(41, 207, 138) }
```


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

```
.border{ border-color:rgb(41, 207, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 207, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 207, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 207, 138);  
box-shadow:4px 4px 4px 4px rgb(41, 207,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8147, 46.9320, 31.6376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 207, 138) }
```

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

```
.background{ background-color: rgb(41, 207,  
138) }
```

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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