

Converting Colors

XYZ(27.6935, 46.5232, 30.3887)

Have a look what the booklet for
XYZ(27.6935, 46.5232, 30.3887)
contains.

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Color

**XYZ(27.7111, 46.5449,
30.4452)**

Conversions

Conversions Part 1

Format	Color
Hex	31CE87
RGB	49, 206, 135
RGB Percent	19%, 81%, 53%
CMY	0.8078, 0.1921, 0.4706
CMYK	0.76, 0.00, 0.34, 0.19
HSL	153°, 62%, 50%
HSV	153°, 76%, 81%
XYZ	27.7111, 46.5449, 30.4452
YIQ	150.9630, -70.7810, -55.3650

Conversions

Conversions Part 2

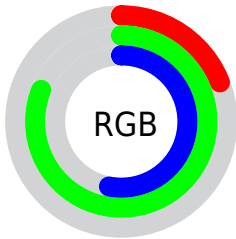
Format	Color
RYB	49, 150, 206
Decimal	3264135
CIELab	73.90, -55.95, 24.21
CIELCh	74, 60.961, 156.597
Yxy	46.5449, 0.2647, 0.4445
Android (android.graphics.Color)	4281454215 (0xFF31CE87)
YUV	150.9630, -7.8698, -89.4216
Hunter-Lab	68.2238, -46.8887, 21.2982

Details

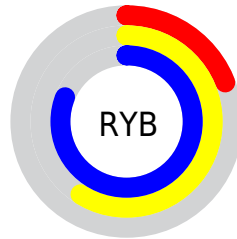
The XYZ color **27.7111, 46.5449, 30.4452** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark muted spring green. A complement of this color would be **29.9436, 16.6755, 19.4115**, and the grayscale version is **29.4551, 30.9890, 33.7470**.

A 20% lighter version of the original color is **52.5531, 79.1161, 60.6452**, and **12.5460, 22.4686, 12.2700** is the 20% darker color. If you saturate the color by 10%, you get **26.3078, 45.8952, 27.1046**, and if you desaturate by 10%, it is **29.6279, 47.4552, 34.1115**.

Distribution



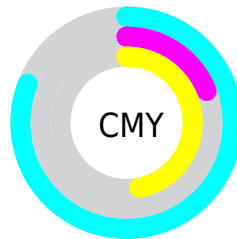
- Red (19%)
- Green (81%)
- Blue (53%)



- Red (19%)
- Yellow (59%)
- Blue (81%)



- Cyan (76%)
- Magenta (0%)
- Yellow (34%)
- Black (19%)





- Cyan (81%)
- Magenta (19%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7111, 46.5449, 30.4452 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 27.7111, 46.5449, 30.4452 by changing the saturation by 10% instead.


 27.7111, 46.5449,
30.4452


 27.7111, 46.5449,
30.4452


283.1890,
372.9950, 318.2458


 18.2473, 32.6760,
19.9218


 55.4347, 85.0339,
61.4348


 11.2285, 21.8784,
12.1547


 74.4253, 110.4228,
82.7382


 6.2891, 13.7676,
6.7253


 97.3222, 140.4205,
108.4719

 3.0640, 7.9592,
3.2151

 124.4908,
175.4115, 139.0547

 1.1877, 4.0688,
1.2055

 156.2964,
215.7800, 174.9049

 0.0966, 1.7121,
0.0000

193.1044,

 0.0000, 0.4315,

261.9105, 216.4411

0.0000

235.2802,
314.1874, 264.0819

■ 0.0000, 0.0000,
0.0000

■ 27.7111, 46.5449,
30.4452

■ 27.7111, 46.5449,
30.4452

■ 26.3078, 45.8952,
27.1046

■ 29.6279, 47.4552,
34.1115

■ 25.3438, 45.4643,
24.0756


■ 32.1109, 48.6492,
38.1104


■ 25.0439, 45.3330,
23.0060


■ 35.2097, 50.1538,
42.4522


■ 38.9673, 51.9909,
47.1459

■ 43.4227, 54.1805,
52.2000

 48.6117, 56.7409,
57.6225

 54.5678, 59.6892,
63.4213

 61.3221, 63.0413,
69.6040

 68.9040, 66.8123,
76.1780

Harmonies

Analogous

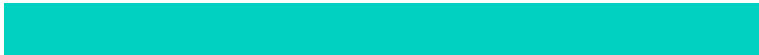
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.9226, 46.5449, 16.2348



27.7111, 46.5449, 30.4452



26.5708, 46.5449, 57.8642

Triad

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



27.7111, 46.5449, 30.4452



46.6818, 46.5449, 136.3120



63.2092, 46.5449, 22.7353

Complementary

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



27.7111, 46.5449, 30.4452



29.9436, 16.6755, 19.4115

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.



68.3912, 46.5449, 44.1156



27.7111, 46.5449, 30.4452



57.8915, 46.5449, 115.4431

Square

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



27.7111, 46.5449, 30.4452



36.4536, 46.5449, 127.7491



66.3011, 46.5449, 78.3347



53.0619, 46.5449, 13.2263

Rectangle

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



27.7111, 46.5449, 30.4452



28.0727, 46.5449, 82.4423



66.3011, 46.5449, 78.3347



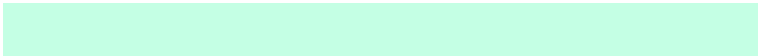
65.6592, 46.5449, 28.3450

Sweetspot

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



27.7123, 46.5468, 30.4463



72.6859, 88.9307, 87.0802



30.6910, 48.5235, 10.6545



14.9366, 18.7288, 17.9694



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.



27.7123, 46.5468, 30.4463



41.6219, 73.9054, 40.9500



33.2410, 46.7758, 65.6715



11.3208, 12.6381, 13.2469



15.4701, 27.9334, 14.4267



0.8360, 1.4562, 0.9441

Inverse Universe

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



29.9436, 16.6755, 19.4115



45.4346, 23.4265, 22.5120



27.3393, 16.0046, 4.5544



11.4197, 11.2966, 12.7448



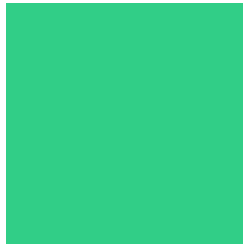
16.9421, 8.5874, 7.4138



0.9121, 0.4582, 0.5830

Previews

White Background



This preview shows how the XYZ color 27.7111, 46.5449, 30.4452 looks on a white background.

Color Contrast Check

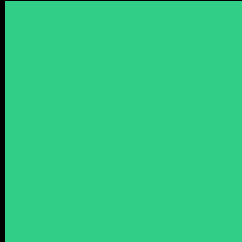
Large Text (above 18pt) WCAG AA × Fail

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 27.7111, 46.5449, 30.4452 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 27.7111, 46.5449, 30.4452

Background



This preview shows how black text looks on a background with the XYZ color 27.7111, 46.5449, 30.4452.

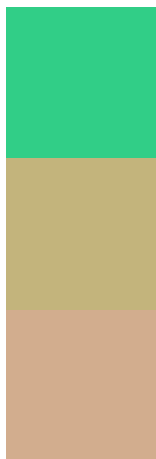


This preview shows how white text looks on a background with the XYZ color 27.7111, 46.5449,

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

27.7111, 46.5449, 30.4452

Protanopia

42.4650, 45.6999, 25.6516

Deuteranopia

46.4044, 45.5418, 31.9359



Tritanopia

35.3699, 46.1646, 69.3338

Trichromacy



Original Color

27.7111, 46.5449, 30.4452



Protanomaly

33.2492, 43.7045, 27.1055



Deuteranomaly

34.7717, 43.1413, 30.9205



Tritanomaly

31.9785, 46.1470, 52.5692

Monochromacy



Original Color

27.7111, 46.5449, 30.4452



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

26.6132, 34.7476, 32.0924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7111, 46.5449, 30.4452 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(49, 206, 135)` looks like.

```
.text, #text, p{  
    color:rgb(49, 206, 135)  
}
```

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(49, 206, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 206, 135) }
```

Border

The CSS property to change the border of an element to XYZ 27.7111, 46.5449, 30.4452 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(49, 206, 135) }
```


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

```
.border{ border-color:rgb(49, 206, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 206, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 206, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 206, 135);  
box-shadow:4px 4px 4px 4px rgb(49, 206,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7111, 46.5449, 30.4452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 206, 135) }
```

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

```
.background{ background-color: rgb(49, 206,  
135) }
```

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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