

# Converting Colors

XYZ(27.1299, 46.0035, 33.3245)

Have a look what the booklet for  
XYZ(27.1299, 46.0035, 33.3245)  
contains.

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# Color

**XYZ(27.2787, 46.2544,  
33.4769)**

# Conversions

## Conversions Part 1

Format	Color
Hex	12CE8F
RGB	18, 206, 143
RGB Percent	7%, 81%, 56%
CMY	0.9294, 0.1921, 0.4392
CMYK	0.91, 0.00, 0.31, 0.19
HSL	160°, 84%, 44%
HSV	160°, 91%, 81%
XYZ	27.2787, 46.2544, 33.4769
YIQ	142.6060, -91.8250, -59.4490

# Conversions

## Conversions Part 2

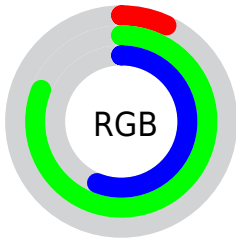
Format	Color
<a href="#">RYB</a>	<a href="#">18, 131, 206</a>
Decimal	<a href="#">1232527</a>
CIELab	<a href="#">73.71, -56.87, 19.69</a>
CIELCh	<a href="#">74, 60.182, 160.907</a>
Yxy	<a href="#">46.2544, 0.2549, 0.4322</a>
Android (android.graphics.Color)	<a href="#">4279422607 (0xFF12CE8F)</a>
YUV	<a href="#">142.6060, 0.1942, -109.2795</a>
Hunter-Lab	<a href="#">68.0106, -47.4231, 18.4231</a>

# Details

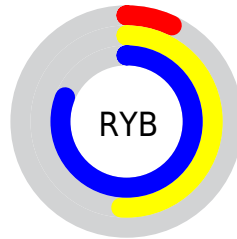
The XYZ color **27.2787, 46.2544, 33.4769** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **27.1569, 14.1497, 9.0874**, and the grayscale version is **25.9791, 27.3321, 29.7646**.

A 20% lighter version of the original color is **51.7819, 78.6154, 65.2684**, and **12.8381, 22.5854, 13.8080** is the 20% darker color. If you saturate the color by 10%, you get **26.5850, 45.9494, 31.1217**, and if you desaturate by 10%, it is **28.3917, 46.7671, 36.3450**.

# Distribution



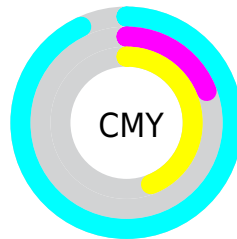
- Red (7%)
- Green (81%)
- Blue (56%)



- Red (7%)
- Yellow (51%)
- Blue (81%)



- Cyan (91%)
- Magenta (0%)
- Yellow (31%)
- Black (19%)




- Cyan (93%)
- Magenta (19%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2787, 46.2544, 33.4769 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 27.2787, 46.2544, 33.4769 by changing the saturation by 10% instead.





 27.2787, 46.2544,  
33.4769


 27.2787, 46.2544,  
33.4769


281.1470,  
371.8305, 332.4909


 17.9203, 32.4466,  
22.2179


 54.7475, 84.5996,  
66.2439


 10.9921, 21.7029,  
13.8173


 73.5886, 109.9058,  
88.5891


 6.1288, 13.6387,  
7.8564


 96.3214, 139.8136,  
115.4667

 2.9650, 7.8698,  
3.9167

 123.3111,  
174.7074, 147.2954

 1.1353, 4.0118,  
1.5798

 154.9232,  
214.9716, 184.4936

 0.0543, 1.6801,  
0.2763

191.5230,

 0.0000, 0.4108,

260.9906, 227.4799

0.0000

233.4758,  
313.1488, 276.6728

■ 0.0000, 0.0000,  
0.0000

■ 27.2787, 46.2544,  
33.4769

■ 27.2787, 46.2544,  
33.4769

■ 26.5850, 45.9494,  
31.1217

■ 28.3917, 46.7671,  
36.3450

■ 29.9581, 47.5085,  
39.4043

■ 32.0398, 48.5117,  
42.6615

■ 34.6880, 49.8030,  
46.1219

■ 37.9473, 51.4055,  
49.7901

■ 41.8580, 53.3397,  
53.6708

■ 46.4566, 55.6244,  
57.7683

■ 51.7769, 58.2770,  
62.0866

■ 57.8504, 61.3138,  
66.6298

# Harmonies

## Analogous

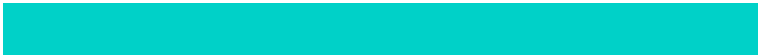
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.8451, 46.2544, 17.7175



27.2787, 46.2544, 33.4769



26.7306, 46.2544, 62.3255

# Triad

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



27.2787, 46.2544, 33.4769



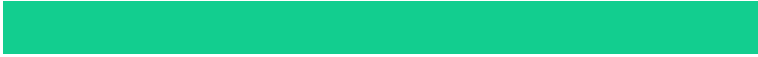
47.9629, 46.2544, 132.9530



61.3737, 46.2544, 20.8425

# Complementary

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



27.2787, 46.2544, 33.4769



27.1569, 14.1497, 9.0874

# 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.



67.3570, 46.2544, 40.0387



27.2787, 46.2544, 33.4769



58.8216, 46.2544, 109.1400

# Square

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



27.2787, 46.2544, 33.4769



37.5849, 46.2544, 128.8470



66.3540, 46.2544, 72.1444



51.0256, 46.2544, 12.7323



# Rectangle

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



27.2787, 46.2544, 33.4769



28.5983, 46.2544, 86.9959



66.3540, 46.2544, 72.1444



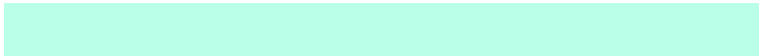
64.0323, 46.2544, 25.8000

# Sweetspot

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



27.2799, 46.2562, 33.4780



70.6012, 87.7999, 89.5150



25.8206, 46.0641, 8.1032



14.5840, 18.5310, 18.6761



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.



27.2799, 46.2562, 33.4780



42.9724, 74.4049, 49.8998



27.2723, 36.3484, 63.9732



11.3772, 12.6606, 13.5439



16.4163, 28.3118, 19.4090



0.8813, 1.4743, 1.1824



# Inverse Universe

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



27.1569, 14.1497, 9.0874



42.8980, 21.9232, 10.6608



26.5492, 15.1366, 2.0952



11.3648, 11.2747, 12.4558



16.3763, 8.3611, 4.4344

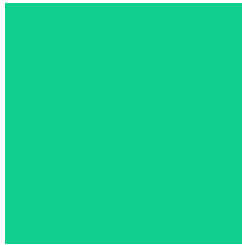


0.8801, 0.4454, 0.4143



# Previews

## White Background



This preview shows how the XYZ color 27.2787, 46.2544, 33.4769 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 27.2787, 46.2544, 33.4769 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 27.2787, 46.2544, 33.4769**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.2787, 46.2544, 33.4769.



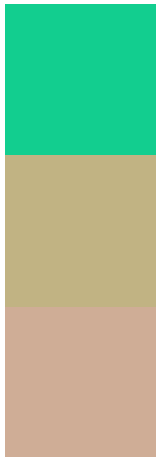
This preview shows how white text looks on a background with the XYZ color 27.2787, 46.2544,



# 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

27.2787, 46.2544, 33.4769

### Protanopia

42.2092, 45.2163, 27.9757

### Deuteranopia

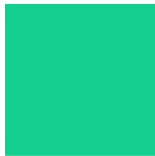
46.1807, 45.3545, 35.1745



## Tritanopia

34.5750, 46.0762, 70.0221

# Trichromacy



## Original Color

27.2787, 46.2544, 33.4769



## Protanomaly

31.6240, 42.8116, 29.5184



## Deuteranomaly

33.0967, 42.2078, 34.0063



## Tritanomaly

31.1476, 45.6695, 54.7504

# Monochromacy



## Original Color

27.2787, 46.2544, 33.4769



## Achromatopsia

26.1081, 27.4677, 29.9124



## Achromatomaly

23.6311, 31.8523, 30.8892

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.2787, 46.2544, 33.4769 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, 206, 143)` looks like.

```
.text, #text, p{  
    color:rgb(18, 206, 143)  
}
```

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, 206, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 206, 143) }
```

## Border

The CSS property to change the border of an element to XYZ 27.2787, 46.2544, 33.4769 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, 206, 143) }
```



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

```
.border{ border-color:rgb(18, 206, 143) }
```

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

Here you see how a box with a 4 pixel rgb(18, 206, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 206, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 206, 143);  
box-shadow:4px 4px 4px 4px rgb(18, 206,  
143) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.2787, 46.2544, 33.4769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 206, 143) }
```

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

```
.background{ background-color: rgb(18, 206,  
143) }
```

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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