

Converting Colors

XYZ(27.2277, 46.6041, 27.5824)

Have a look what the booklet for
XYZ(27.2277, 46.6041, 27.5824)
contains.

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Color

**XYZ(27.3159, 46.7623,
27.6650)**

Conversions

Conversions Part 1

Format	Color
Hex	2FCF7F
RGB	47, 207, 127
RGB Percent	18%, 81%, 50%
CMY	0.8157, 0.1882, 0.5020
CMYK	0.77, 0.00, 0.39, 0.19
HSL	150°, 63%, 50%
HSV	150°, 77%, 81%
XYZ	27.3159, 46.7623, 27.6650
YIQ	150.0400, -69.6800, -58.8000

Conversions

Conversions Part 2

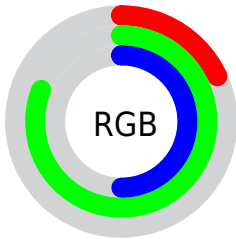
Format	Color
RYB	47, 154, 207
Decimal	3133311
CIELab	74.04, -58.13, 28.56
CIELCh	74, 64.770, 153.833
Yxy	46.7623, 0.2685, 0.4596
Android (android.graphics.Color)	4281323391 (0xFF2FCF7F)
YUV	150.0400, -11.3587, -90.3661
Hunter-Lab	68.3830, -48.3675, 23.8817

Details

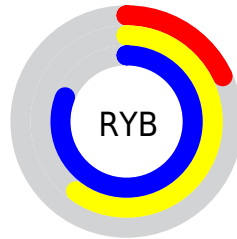
The XYZ color **27.3159, 46.7623, 27.6650** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **30.5810, 16.8318, 21.7178**, and the grayscale version is **29.0755, 30.5897, 33.3122**.

A 20% lighter version of the original color is **51.4694, 78.6668, 55.6515**, and **12.4062, 22.6690, 10.7429** is the 20% darker color. If you saturate the color by 10%, you get **25.9379, 46.1272, 24.2589**, and if you desaturate by 10%, it is **29.2178, 47.6620, 31.4595**.

Distribution



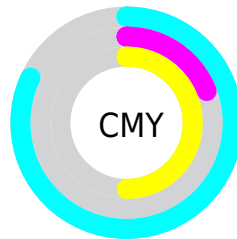
- Red (18%)
- Green (81%)
- Blue (50%)



- Red (18%)
- Yellow (60%)
- Blue (81%)



- Cyan (77%)
- Magenta (0%)
- Yellow (39%)
- Black (19%)





- Cyan (82%)
- Magenta (19%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.3159, 46.7623, 27.6650 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 27.3159, 46.7623, 27.6650 by changing the saturation by 10% instead.


 27.3159, 46.7623,
27.6650


 27.3159, 46.7623,
27.6650


281.3232,
373.8649, 304.7241


 17.9484, 32.8478,
17.8364


 54.8067, 85.3587,
56.9658


 11.0124, 22.0099,
10.6644


 73.6607, 110.8094,
77.2751


 6.1426, 13.8641,
5.7303


 96.4076, 140.8742,
101.9151

 2.9734, 8.0262,
2.6157

 123.4128,
175.9377, 131.3043

 1.1397, 4.1117,
0.9005

 155.0416,
216.3840, 165.8613

 0.0580, 1.7363,
0.0000

191.6593,

 0.0000, 0.4470,

262.5978, 206.0045

0.0000

233.6314,
314.9633, 252.1526

■ 0.0000, 0.0000,
0.0000

■ 27.3159, 46.7623,
27.6650

■ 27.3159, 46.7623,
27.6650

■ 25.9379, 46.1272,
24.2589

■ 29.2178, 47.6620,
31.4595

■ 25.0011, 45.7104,
21.2233


■ 31.6985, 48.8506,
35.6523


■ 24.7870, 45.6167,
20.4623


■ 34.8095, 50.3558,
40.2569

■ 38.5955, 52.2001,
45.2848

■ 43.0966, 54.4043,
50.7473

 48.3500, 56.9872,
56.6551

 54.3902, 59.9664,
63.0184

 61.2492, 63.3583,
69.8471

 68.9575, 67.1785,
77.1508

Harmonies

Analogous

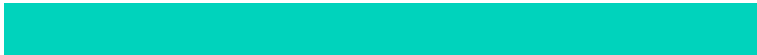
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.1718, 46.7623, 14.2046



27.3159, 46.7623, 27.6650



25.7347, 46.7623, 55.2961

Triad

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



27.3159, 46.7623, 27.6650



45.9503, 46.7623, 144.6510



65.6123, 46.7623, 23.0370

Complementary

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



27.3159, 46.7623, 27.6650



30.5810, 16.8318, 21.7178

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.



70.5522, 46.7623, 46.7739



27.3159, 46.7623, 27.6650



58.0231, 46.7623, 124.3238

Square

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



27.3159, 46.7623, 27.6650



35.3371, 46.7623, 132.2094



67.5597, 46.7623, 84.5100



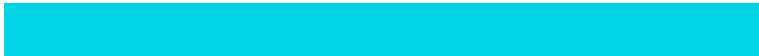
54.9997, 46.7623, 12.4623

Rectangle

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



27.3159, 46.7623, 27.6650



27.0398, 46.7623, 81.2536



67.5597, 46.7623, 84.5100



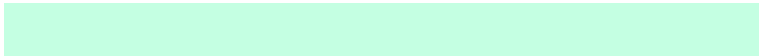
68.0676, 46.7623, 29.2618

Sweetspot

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



27.3171, 46.7642, 27.6661



72.2989, 88.7759, 85.0423



31.9824, 49.5525, 10.5688



14.8432, 18.6914, 17.4775



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.



27.3171, 46.7642, 27.6661



40.4807, 73.4368, 35.4914



34.4257, 49.6076, 65.0996



11.8993, 13.3035, 13.8260



15.6641, 28.7586, 13.1433



0.9159, 1.6240, 0.9458

Inverse Universe

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



30.5810, 16.8318, 21.7178



45.9283, 23.4775, 25.5632



27.3185, 15.5268, 4.5377



12.0517, 11.9054, 13.5482



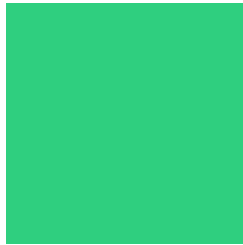
17.8186, 9.0003, 9.2168



1.0364, 0.5193, 0.7263

Previews

White Background



This preview shows how the XYZ color 27.3159, 46.7623, 27.6650 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 27.3159, 46.7623, 27.6650 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 27.3159, 46.7623, 27.6650

Background



This preview shows how black text looks on a background with the XYZ color 27.3159, 46.7623, 27.6650.

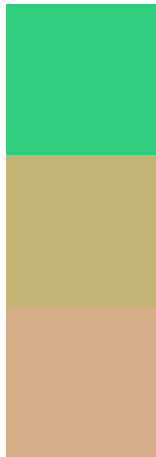


This preview shows how white text looks on a background with the XYZ color 27.3159, 46.7623,

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

27.3159, 46.7623, 27.6650

Protanopia

42.2386, 45.6392, 23.1060

Deuteranopia

46.7573, 45.7825, 29.2942



Tritanopia

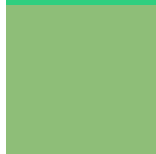
35.8142, 46.7150, 70.0801

Trichromacy



Original Color

27.3159, 46.7623, 27.6650



Protanomaly

32.9589, 43.9338, 24.5122



Deuteranomaly

34.6507, 43.1362, 28.3296



Tritanomaly

32.0026, 46.5284, 51.5501

Monochromacy



Original Color

27.3159, 46.7623, 27.6650



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.2554, 34.5895, 30.8838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3159, 46.7623, 27.6650 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(47, 207, 127)` looks like.

```
.text, #text, p{  
    color:rgb(47, 207, 127)  
}
```

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(47, 207, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 207, 127) }
```

Border

The CSS property to change the border of an element to XYZ 27.3159, 46.7623, 27.6650 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(47, 207, 127) }
```


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

```
.border{ border-color:rgb(47, 207, 127) }
```

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

Here you see how a box with a 4 pixel rgb(47, 207, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 207, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 207, 127);  
box-shadow:4px 4px 4px 4px rgb(47, 207,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3159, 46.7623, 27.6650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 207, 127) }
```

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

```
.background{ background-color: rgb(47, 207,  
127) }
```

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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