

Converting Colors

XYZ(27.1004, 46.6239, 26.7578)

Have a look what the booklet for
XYZ(27.1004, 46.6239, 26.7578)
contains.

XYZ(27.1232, 46.6852, 26.6504)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.1232, 46.6852,
26.6504)**

Conversions

Conversions Part 1

Format	Color
Hex	2FCF7C
RGB	47, 207, 124
RGB Percent	18%, 81%, 49%
CMY	0.8157, 0.1882, 0.5137
CMYK	0.77, 0.00, 0.40, 0.19
HSL	149°, 63%, 50%
HSV	149°, 77%, 81%
XYZ	27.1232, 46.6852, 26.6504
YIQ	149.6980, -68.7170, -59.7330

Conversions

Conversions Part 2

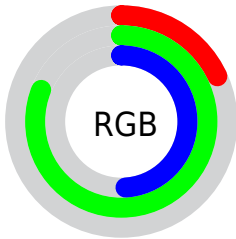
Format	Color
RYB	47, 155, 207
Decimal	3133308
CIELab	73.99, -58.70, 30.05
CIELCh	74, 65.939, 152.893
Yxy	46.6852, 0.2700, 0.4647
Android (android.graphics.Color)	4281323388 (0xFF2FCF7C)
YUV	149.6980, -12.6691, -90.0661
Hunter-Lab	68.3266, -48.7134, 24.7029

Details

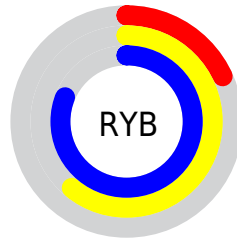
The XYZ color **27.1232, 46.6852, 26.6504** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **30.7794, 16.9111, 22.7629**, and the grayscale version is **28.9354, 30.4423, 33.1517**.

A 20% lighter version of the original color is **51.1670, 78.5459, 54.0591**, and **12.3026, 22.6276, 10.1977** is the 20% darker color. If you saturate the color by 10%, you get **25.7430, 46.0492, 23.2324**, and if you desaturate by 10%, it is **29.0320, 47.5877, 30.4813**.

Distribution



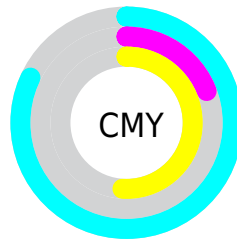
- Red (18%)
- Green (81%)
- Blue (49%)



- Red (18%)
- Yellow (61%)
- Blue (81%)



- Cyan (77%)
- Magenta (0%)
- Yellow (40%)
- Black (19%)





- Cyan (82%)
- Magenta (19%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.1232, 46.6852, 26.6504 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 27.1232, 46.6852, 26.6504 by changing the saturation by 10% instead.


 27.1232, 46.6852,
26.6504


 27.1232, 46.6852,
26.6504


280.4098,
373.5566, 299.6668


 17.8028, 32.7869,
17.0807


 54.5000, 85.2435,
55.3193


 10.9074, 21.9632,
10.1295


 73.2871, 110.6723,
75.2555


 6.0714, 13.8299,
5.3782


 95.9606, 140.7134,
99.4844

 2.9296, 8.0024,
2.4082

 122.8857,
175.7511, 128.4244

 1.1167, 4.0965,
0.7909

 154.4278,
216.1699, 162.4941

 0.0390, 1.7277,
0.0000

190.9523,

 0.0000, 0.4415,

262.3541, 202.1121

0.0000

232.8245,
314.6882, 247.6968

■ 0.0000, 0.0000,
0.0000

■ 27.1232, 46.6852,
26.6504

■ 27.1232, 46.6852,
26.6504

■ 25.7430, 46.0492,
23.2324

■ 29.0320, 47.5877,
30.4813

■ 24.8082, 45.6333,
20.2080


■ 31.5245, 48.7810,
34.7364


■ 24.5955, 45.5401,
19.4538


■ 34.6525, 50.2929,
39.4304


■ 38.4608, 52.1462,
44.5762

■ 42.9899, 54.3616,
50.1860

 48.2771, 56.9580,
56.2718

 54.3570, 59.9531,
62.8447

 61.2620, 63.3634,
69.9157

 69.0227, 67.2045,
77.4954

Harmonies

Analogous

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



33.1829, 46.6852, 13.5221



27.1232, 46.6852, 26.6504



25.3918, 46.6852, 54.1736

Triad

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



27.1232, 46.6852, 26.6504



45.5247, 46.6852, 146.9220



66.2167, 46.6852, 23.1341

Complementary

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



27.1232, 46.6852, 26.6504



30.7794, 16.9111, 22.7629

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.



71.0286, 46.6852, 47.6312



27.1232, 46.6852, 26.6504



57.8320, 46.6852, 126.9844

Square

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



27.1232, 46.6852, 26.6504



34.8394, 46.6852, 133.1018



67.7192, 46.6852, 86.4519



55.5038, 46.6852, 12.2138

Rectangle

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



27.1232, 46.6852, 26.6504



26.6198, 46.6852, 80.4420



67.7192, 46.6852, 86.4519



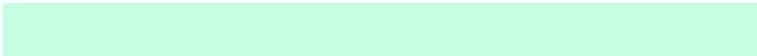
68.6559, 46.6852, 29.5589

Sweetspot

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



27.1244, 46.6871, 26.6515



72.1488, 88.7158, 84.2516



32.3954, 49.7654, 10.5880



14.8070, 18.6769, 17.2870



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.



27.1244, 46.6871, 26.6515



40.1699, 73.3125, 33.8548



34.1078, 49.4804, 63.4256



11.8899, 13.2997, 13.7765



15.5430, 28.7101, 12.5056



0.9091, 1.6213, 0.9099

Inverse Universe

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



30.7794, 16.9111, 22.7629



46.2522, 23.6071, 27.2689



27.3773, 15.5502, 4.8474



12.0611, 11.9092, 13.5978



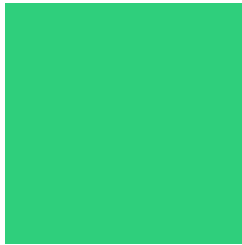
17.9453, 9.0509, 9.8839



1.0434, 0.5221, 0.7633

Previews

White Background



This preview shows how the XYZ color 27.1232, 46.6852, 26.6504 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 27.1232, 46.6852, 26.6504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

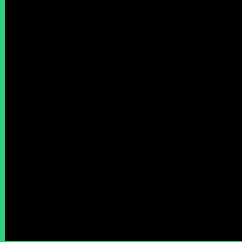
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.1232, 46.6852, 26.6504

Background



This preview shows how black text looks on a background with the XYZ color 27.1232, 46.6852, 26.6504.

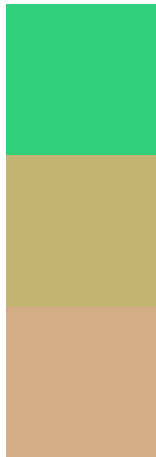


This preview shows how white text looks on a background with the XYZ color 27.1232, 46.6852,

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

27.1232, 46.6852, 26.6504

Protanopia

42.0668, 45.5705, 22.2016

Deuteranopia

46.5490, 45.6992, 28.1972



Tritanopia

35.6877, 46.6644, 69.4135

Trichromacy



Original Color

27.1232, 46.6852, 26.6504



Protanomaly

32.7797, 43.8620, 23.5682



Deuteranomaly

34.4483, 43.0552, 27.2637



Tritanomaly

31.7973, 46.4463, 50.4692

Monochromacy



Original Color

27.1232, 46.6852, 26.6504



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.1807, 34.5596, 30.4901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1232, 46.6852, 26.6504 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(47, 207, 124)  
}
```

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, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 207, 124) }
```

Border

The CSS property to change the border of an element to XYZ 27.1232, 46.6852, 26.6504 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, 124) }
```


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

```
.border{ border-color:rgb(47, 207, 124) }
```

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, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 207, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 207, 124);  
box-shadow:4px 4px 4px 4px rgb(47, 207,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1232, 46.6852, 26.6504 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, 124) }
```

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

```
.background{ background-color: rgb(47, 207,  
124) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor