

Converting Colors

XYZ(7.4865, 13.8033, 3.4980)

Have a look what the booklet for
XYZ(7.4865, 13.8033, 3.4980)
contains.

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Color

**XYZ(7.4862, 13.8027,
3.4979)**

Conversions

Conversions Part 1

Format	Color
Hex	1E781E
RGB	30, 120, 30
RGB Percent	12%, 47%, 12%
CMY	0.8824, 0.5294, 0.8823
CMYK	0.75, 0.00, 0.75, 0.53
HSL	120°, 60%, 29%
HSV	120°, 75%, 47%
XYZ	7.4862, 13.8027, 3.4979
YIQ	82.8300, -24.7500, -47.0700

Conversions

Conversions Part 2

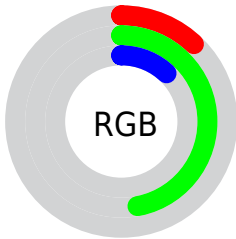
Format	Color
R_{YB}	30, 120, 120
Decimal	1996830
CIE Lab	43.95, -44.07, 39.78
CIE LCh	44, 59.370, 137.929
Yxy	13.8027, 0.3020, 0.5569
Android (android.graphics.Color)	4280186910 (0xFF1E781E)
YUV	82.8300, -26.0452, -46.3319
Hunter-Lab	37.1520, -29.0479, 20.4242

Details

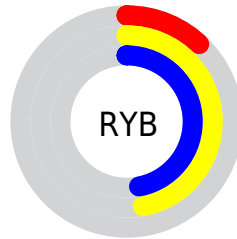
The XYZ color **7.4862, 13.8027, 3.4979** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **11.6004, 6.2777, 18.3691**, and the grayscale version is **8.2425, 8.6718, 9.4435**.

A 20% lighter version of the original color is **20.6080, 32.6400, 12.8034**, and **2.1902, 4.3803, 0.7301** is the 20% darker color. If you saturate the color by 10%, you get **7.0754, 13.6058, 2.8257**, and if you desaturate by 10%, it is **8.0895, 14.0929, 4.4846**.

Distribution



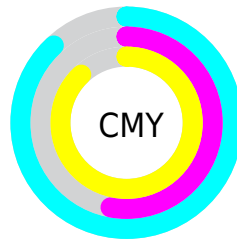
- Red (12%)
- Green (47%)
- Blue (12%)



- Red (12%)
- Yellow (47%)
- Blue (47%)



- Cyan (75%)
- Magenta (0%)
- Yellow (75%)
- Black (53%)



- Cyan (88%)
- Magenta (53%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.4862, 13.8027, 3.4979 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 7.4862, 13.8027, 3.4979 by changing the saturation by 10% instead.

■ 7.4862, 13.8027,
3.4979

■ 7.4862, 13.8027,
3.4979

166.1028,
215.9999, 142.4694

■ 3.8170, 7.9836,
1.3541

■ 20.6400, 32.7385,
12.8341

■ 1.5991, 4.0844,
0.1056

■ 30.8554, 46.6240,
20.8637

■ 0.3918, 1.7209,
0.0000

■ 43.9835, 63.9671,
31.6923

■ 0.0000, 0.4371,
0.0000

■ 60.3897, 85.1522,
45.7384

■ 0.0000, 0.0000,
0.0000

■ 80.4394, 110.5636,
63.4207

■ 104.4979,

140.5857, 85.1576

132.9306,
175.6031, 111.3676

7.4862, 13.8027,
3.4979

7.4862, 13.8027,
3.4979

7.0754, 13.6058,
2.8257

8.0895, 14.0929,
4.4846

6.8247, 13.4854,
2.4156

8.9040, 14.4841,
5.8167

6.7168, 13.4335,
2.2391

9.9469, 14.9851,
7.5227

11.2338, 15.6033,
9.6277

12.7787, 16.3454,
12.1546

■ 14.5946, 17.2176,
15.1248

■ 16.6936, 18.2259,
18.5579

■ 19.0870, 19.3756,
22.4727

■ 21.7856, 20.6719,
26.8866

Harmonies

Analogous

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



10.5275, 13.8027, 1.4016



7.4862, 13.8027, 3.4979



6.1142, 13.8027, 10.2376

Triad

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



7.4862, 13.8027, 3.4979



11.3175, 13.8027, 57.2430



23.7405, 13.8027, 8.3829

Complementary

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



7.4862, 13.8027, 3.4979



11.6004, 6.2777, 18.3691

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.



24.0976, 13.8027, 21.1210



7.4862, 13.8027, 3.4979



16.1044, 13.8027, 55.5883

Square

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



7.4862, 13.8027, 3.4979



7.9449, 13.8027, 43.6156



21.0417, 13.8027, 39.9171



20.1588, 13.8027, 2.8364

Rectangle

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



7.4862, 13.8027, 3.4979



6.0463, 13.8027, 18.8921



21.0417, 13.8027, 39.9171



24.2682, 13.8027, 11.7317

Sweetspot

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



7.4865, 13.8033, 3.4982



22.9040, 28.9537, 22.0793



14.6972, 17.5205, 3.8354



5.2186, 6.7612, 4.8900



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



7.4865, 13.8033, 3.4982



12.1095, 23.7686, 4.4228



8.5222, 14.2175, 8.9518



3.9509, 4.4500, 4.2752



7.3273, 14.6546, 2.4426



34.9520, 69.9038, 11.6510

Inverse Universe

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



11.6004, 6.2777, 18.3691



19.7643, 9.7655, 32.0934



9.4803, 5.4297, 7.2051



4.1545, 4.0775, 5.0112



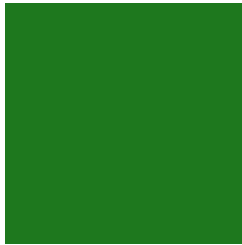
12.1483, 5.8355, 19.8694



57.9483, 27.8357, 94.7787

Previews

White Background



This preview shows how the XYZ color 7.4862, 13.8027, 3.4979 looks on a white background.

Color Contrast Check

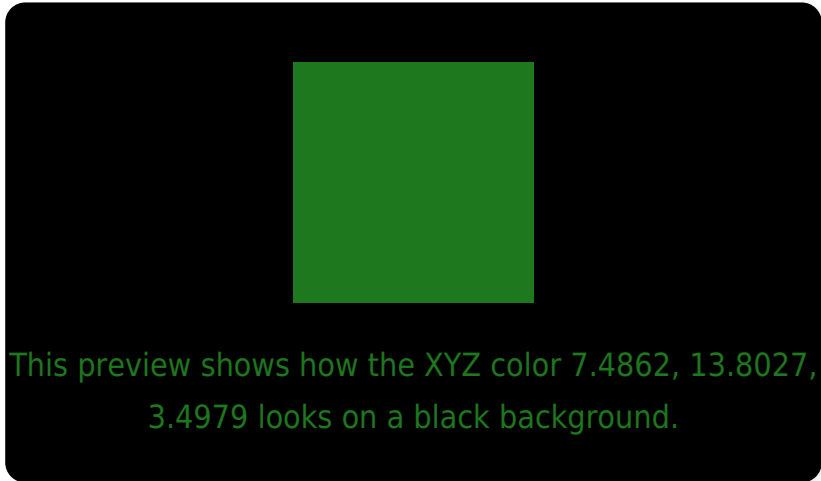
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 7.4862, 13.8027, 3.4979

Background



This preview shows how black text looks on a background with the XYZ color 7.4862, 13.8027, 3.4979.



This preview shows how white text looks on a background with the XYZ color 7.4862, 13.8027,

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

7.4862, 13.8027, 3.4979

Protanopia

12.3392, 13.6882, 2.9690

Deuteranopia

13.7872, 13.5490, 3.8080



Tritanopia

10.8762, 13.8096, 20.1814

Trichromacy



Original Color

7.4862, 13.8027, 3.4979

Protanomaly

9.5201, 13.1623, 3.0757

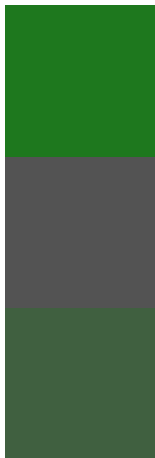
Deuteranomaly

9.9867, 12.7626, 3.6061

Tritanomaly

9.0645, 13.5704, 11.3741

Monochromacy



Original Color

7.4862, 13.8027, 3.4979

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

7.2226, 9.8259, 6.3664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.4862, 13.8027, 3.4979 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(30, 120, 30)` looks like.

```
.text, #text, p{  
    color:rgb(30, 120, 30)  
}
```

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(30, 120, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 120, 30) }
```

Border

The CSS property to change the border of an element to XYZ 7.4862, 13.8027, 3.4979 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(30, 120, 30) }
```


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

```
.border{ border-color:rgb(30, 120, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 120, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 120, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 120, 30);  
box-shadow:4px 4px 4px 4px rgb(30, 120,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 7.4862, 13.8027, 3.4979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 120, 30) }
```

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

```
.background{ background-color: rgb(30, 120,  
30) }
```

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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