

Converting Colors

XYZ(7.9022, 17.4432, 11.2402)

Have a look what the booklet for
XYZ(7.9022, 17.4432, 11.2402)
contains.

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Color

**XYZ(10.6887, 18.8171,
11.4562)**

Conversions

Conversions Part 1

Format	Color
Hex	008A54
RGB	0, 138, 84
RGB Percent	0%, 54%, 33%
CMY	1.0000, 0.4588, 0.6706
CMYK	1.00, 0.00, 0.39, 0.46
HSL	157°, 100%, 27%
HSV	157°, 100%, 54%
XYZ	10.6887, 18.8171, 11.4562
YIQ	90.5820, -64.9140, -46.0500

Conversions

Conversions Part 2

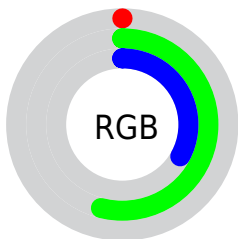
Format	Color
RYB	0, 86, 138
Decimal	35412
CIELab	50.47, -45.18, 20.19
CIELCh	50, 49.484, 155.921
Yxy	18.8171, 0.2609, 0.4594
Android (android.graphics.Color)	4278225492 (0xFF008A54)
YUV	90.5820, -3.2449, -79.4404
Hunter-Lab	43.3787, -31.9295, 14.7067

Details

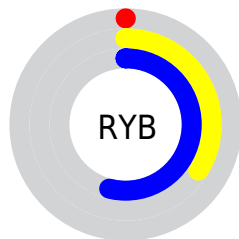
The XYZ color **10.6887, 18.8171, 11.4562** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.1477, 5.6699, 3.9974**, and the grayscale version is **9.8673, 10.3812, 11.3051**.

A 20% lighter version of the original color is **26.8527, 41.6550, 29.1792**, and **3.7580, 6.9563, 2.9784** is the 20% darker color. If you saturate the color by 10%, you get **10.6891, 18.8178, 11.4564**, and if you desaturate by 10%, it is **11.0870, 18.9975, 12.6224**.

Distribution



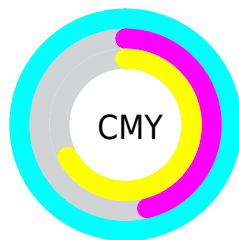
- Red (0%)
- Green (54%)
- Blue (33%)



- Red (0%)
- Yellow (34%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (46%)



- Cyan (100%)
- Magenta (46%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.6887, 18.8171, 11.4562 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 10.6887, 18.8171, 11.4562 by changing the saturation by 10% instead.

■ 10.6887, 18.8171,
11.4562

■ 10.6887, 18.8171,
11.4562

189.4719,
245.4372, 211.6197

■ 5.9237, 11.5382,
6.2565

■ 26.7212, 41.4248,
29.1502

■ 2.8389, 6.4301,
2.9304

■ 38.7193, 57.5224,
42.4816

■ 1.0692, 3.1083,
1.0592

■ 53.8591, 77.3284,
59.3606

■ 0.0000, 1.1885,
0.0000

■ 72.5061, 101.2270,
80.2059

■ 0.0000, 0.0523,
0.0000

■ 95.0255, 129.6029,
105.4359

■ 0.0000, 0.0000,
0.0000

■ 121.7827,

162.8403, 135.4691

153.1431,
201.3236, 170.7242

■ 10.6887, 18.8171,
11.4562

■ 10.6887, 18.8171,
11.4562

■ 10.6891, 18.8178,
11.4564

■ 11.0870, 18.9975,
12.6224

■ 11.6135, 19.2417,
13.8812

■ 12.3296, 19.5815,
15.2377

■ 13.2565, 20.0281,
16.6946

■ 14.4128, 20.5908,
18.2545

■ 15.8148, 21.2782,
19.9197

■ 17.4773, 22.0977,
21.6926

■ 19.4138, 23.0564,
23.5753

■ 21.6371, 24.1606,
25.5701

Harmonies

Analogous

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



12.9809, 18.8171, 5.6356



10.6887, 18.8171, 11.4562



10.1606, 18.8171, 23.3500

Triad

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



10.6887, 18.8171, 11.4562



18.8581, 18.8171, 59.8456



26.4880, 18.8171, 8.5299

Complementary

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



10.6887, 18.8171, 11.4562



11.1477, 5.6699, 3.9974

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.



28.7763, 18.8171, 17.8711



10.6887, 18.8171, 11.4562



23.8909, 18.8171, 50.3713

Square

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



10.6887, 18.8171, 11.4562



14.3645, 18.8171, 55.5245



27.7495, 18.8171, 33.3359



21.9385, 18.8171, 4.5552

Rectangle

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



10.6887, 18.8171, 11.4562



10.7783, 18.8171, 34.4168



27.7495, 18.8171, 33.3359



27.5811, 18.8171, 10.9395

Sweetspot

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



10.6892, 18.8179, 11.4566



30.6027, 38.8493, 38.0286



10.6756, 18.9957, 3.1040



6.6156, 8.5911, 8.2711



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



10.6892, 18.8179, 11.4566



18.7616, 33.1367, 19.7767



11.8208, 16.3012, 26.5692



5.0913, 5.6560, 6.0018



9.8073, 17.2555, 10.5418



0.0724, 0.1175, 0.1080

Inverse Universe

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



11.1477, 5.6699, 3.9974



19.5758, 9.9645, 6.6611



10.6361, 5.7123, 0.5421



5.1086, 5.0789, 5.6605



10.2271, 5.2010, 3.7005



0.0748, 0.0373, 0.0606

Previews

White Background



This preview shows how the XYZ color 10.6887, 18.8171, 11.4562 looks on a white background.

Color Contrast Check

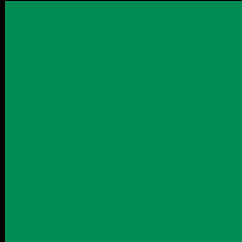
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 10.6887, 18.8171, 11.4562 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 × Fail

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

XYZ 10.6887, 18.8171, 11.4562

Background



This preview shows how black text looks on a background with the XYZ color 10.6887, 18.8171, 11.4562.



This preview shows how white text looks on a background with the XYZ color 10.6887, 18.8171,

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

10.6887, 18.8171, 11.4562

Protanopia

17.2619, 18.7146, 9.7237

Deuteranopia

18.9184, 18.6455, 12.0530



Tritanopia

14.3142, 18.8637, 28.4778

Trichromacy



Original Color

10.6887, 18.8171, 11.4562



Protanomaly

12.6046, 17.5969, 10.3216



Deuteranomaly

13.0197, 17.0277, 11.6173



Tritanomaly

12.5720, 18.7377, 21.0433

Monochromacy



Original Color

10.6887, 18.8171, 11.4562



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

8.8689, 12.3292, 11.1449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6887, 18.8171, 11.4562 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(0, 138, 84)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 84)  
}
```

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(0, 138, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 84) }
```

Border

The CSS property to change the border of an element to XYZ 10.6887, 18.8171, 11.4562 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(0, 138, 84) }
```


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

```
.border{ border-color:rgb(0, 138, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 138, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 84);  
box-shadow:4px 4px 4px 4px rgb(0, 138, 84)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.6887, 18.8171, 11.4562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 84) }
```

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

```
.background{ background-color: rgb(0, 138,  
84) }
```

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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