

Converting Colors

XYZ(8.6852, 19.6926, 10.7537)

Have a look what the booklet for
XYZ(8.6852, 19.6926, 10.7537)
contains.

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Color

**XYZ(11.8450, 21.4320,
10.9096)**

Conversions

Conversions Part 1

Format	Color
Hex	00934F
RGB	0, 147, 79
RGB Percent	0%, 58%, 31%
CMY	1.0000, 0.4235, 0.6902
CMYK	1.00, 0.00, 0.46, 0.42
HSL	152°, 100%, 29%
HSV	152°, 100%, 58%
XYZ	11.8450, 21.4320, 10.9096
YIQ	95.2950, -65.7840, -52.3120

Conversions

Conversions Part 2

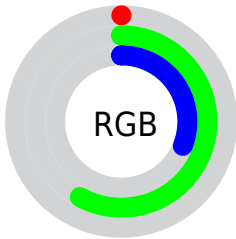
Format	Color
RYB	0, 96, 147
Decimal	37711
CIELab	53.42, -49.47, 26.80
CIELCh	53, 56.263, 151.558
Yxy	21.4320, 0.2681, 0.4850
Android (android.graphics.Color)	4278227791 (0xFF00934F)
YUV	95.2950, -8.0334, -83.5737
Hunter-Lab	46.2947, -35.3446, 18.4343

Details

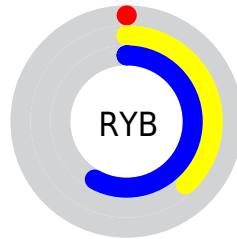
The XYZ color **11.8450, 21.4320, 10.9096** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.0767, 6.6208, 6.0583**, and the grayscale version is **10.9786, 11.5504, 12.5783**.

A 20% lighter version of the original color is **28.8293, 45.7573, 28.0815**, and **4.3529, 8.2887, 2.7370** is the 20% darker color. If you saturate the color by 10%, you get **11.8454, 21.4328, 10.9098**, and if you desaturate by 10%, it is **12.2981, 21.6361, 12.2903**.

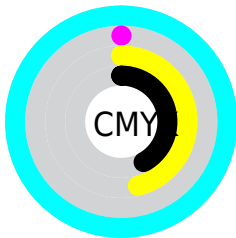
Distribution



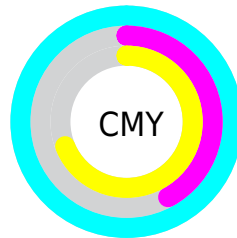
- Red (0%)
- Green (58%)
- Blue (31%)



- Red (0%)
- Yellow (38%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (42%)



- Cyan (100%)
- Magenta (42%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8450, 21.4320, 10.9096 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 11.8450, 21.4320, 10.9096 by changing the saturation by 10% instead.

■ 11.8450, 21.4320,
10.9096

■ 11.8450, 21.4320,
10.9096

197.1674,
259.5655, 207.7614

■ 6.7097, 13.4401,
5.8927

■ 28.8318, 45.8054,
28.1270

■ 3.3259, 7.7323,
2.7122

■ 41.4140, 62.9557,
41.1645

■ 1.3284, 3.9242,
0.9496

■ 57.2092, 83.9277,
57.7126

■ 0.2043, 1.6312,
0.0000

■ 76.5827, 109.1057,
78.1899

■ 0.0000, 0.3785,
0.0000

■ 99.8999, 138.8740,
103.0149

■ 0.0000, 0.0000,
0.0000

■ 127.5262,

173.6172, 132.6061

159.8269,
213.7196, 167.3821

■ 11.8450, 21.4320,
10.9096

■ 11.8450, 21.4320,
10.9096

■ 11.8454, 21.4328,
10.9098

■ 12.2981, 21.6361,
12.2903

■ 12.9106, 21.9187,
13.8141

■ 13.7488, 22.3147,
15.4881

■ 14.8383, 22.8370,
17.3169

■ 16.2010, 23.4969,
19.3052

■ 17.8564, 24.3043,
21.4569

■ 19.8218, 25.2683,
23.7760

■ 22.1135, 26.3970,
26.2665

■ 24.7465, 27.6980,
28.9319

Harmonies

Analogous

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



14.9289, 21.4320, 5.0265



11.8450, 21.4320, 10.9096



10.9076, 21.4320, 24.2423

Triad

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



11.8450, 21.4320, 10.9096



20.6846, 21.4320, 74.1123



31.8145, 21.4320, 10.0022

Complementary

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



11.8450, 21.4320, 10.9096



13.0767, 6.6208, 6.0583

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.



34.1514, 21.4320, 22.4522



11.8450, 21.4320, 10.9096



26.9957, 21.4320, 64.1099

Square

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



11.8450, 21.4320, 10.9096



15.3733, 21.4320, 65.8816



32.2371, 21.4320, 42.7799



26.3478, 21.4320, 4.7117

Rectangle

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



11.8450, 21.4320, 10.9096



11.4434, 21.4320, 37.6372



32.2371, 21.4320, 42.7799



33.0353, 21.4320, 13.2118

Sweetspot

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



11.8455, 21.4329, 10.9101



35.2620, 45.1348, 42.3118



12.8604, 22.1191, 3.5917



7.7294, 10.1461, 9.2890



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



11.8455, 21.4329, 10.9101



21.1225, 38.3456, 19.0620



14.9550, 21.4833, 30.9634



5.8521, 6.5174, 6.8319



10.2815, 18.5854, 9.5241



0.1407, 0.2334, 0.1950

Inverse Universe

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



13.0767, 6.6208, 6.0583



23.3298, 11.8212, 10.3873



12.0864, 6.3098, 0.5810



5.9057, 5.8574, 6.6097



11.3485, 5.7445, 5.3164



0.1535, 0.0762, 0.1421

Previews

White Background



This preview shows how the XYZ color 11.8450, 21.4320, 10.9096 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 11.8450, 21.4320, 10.9096 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

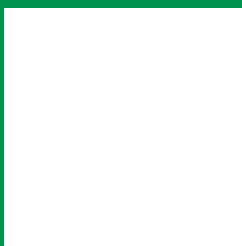
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.8450, 21.4320, 10.9096

Background



This preview shows how black text looks on a background with the XYZ color 11.8450, 21.4320, 10.9096.



This preview shows how white text looks on a background with the XYZ color 11.8450, 21.4320,

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

11.8450, 21.4320, 10.9096

Protanopia

19.4065, 21.1356, 9.1876

Deuteranopia

21.4260, 21.0060, 11.5196



Tritanopia

16.3132, 21.4795, 32.1403

Trichromacy



Original Color

11.8450, 21.4320, 10.9096



Protanomaly

13.8196, 19.6329, 9.7178



Deuteranomaly

14.4737, 19.1312, 11.1135



Tritanomaly

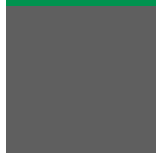
14.0042, 21.1586, 22.4147

Monochromacy



Original Color

11.8450, 21.4320, 10.9096



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

9.6840, 13.7166, 11.5884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8450, 21.4320, 10.9096 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, 147, 79)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 79)  
}
```

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, 147, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 79) }
```

Border

The CSS property to change the border of an element to XYZ 11.8450, 21.4320, 10.9096 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, 147, 79) }
```


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

```
.border{ border-color:rgb(0, 147, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 147, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 79);  
box-shadow:4px 4px 4px 4px rgb(0, 147, 79)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.8450, 21.4320, 10.9096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 79) }
```

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

```
.background{ background-color: rgb(0, 147,  
79) }
```

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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