

Converting Colors

XYZ(6.4808, 16.3963, 6.4139)

Have a look what the booklet for
XYZ(6.4808, 16.3963, 6.4139)
contains.

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Color

**XYZ(9.4937, 17.8842,
6.5660)**

Conversions

Conversions Part 1

Format	Color
Hex	008837
RGB	0, 136, 55
RGB Percent	0%, 53%, 22%
CMY	1.0000, 0.4667, 0.7843
CMYK	1.00, 0.00, 0.60, 0.47
HSL	144°, 100%, 27%
HSV	144°, 100%, 53%
XYZ	9.4937, 17.8842, 6.5660
YIQ	86.1020, -55.0550, -54.0230

Conversions

Conversions Part 2

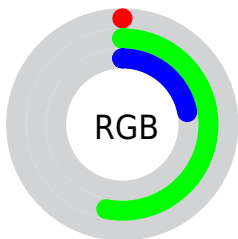
Format	Color
RYB	0, 97, 136
Decimal	34871
CIELab	49.36, -49.71, 34.25
CIELCh	49, 60.372, 145.434
Yxy	17.8842, 0.2797, 0.5269
Android (android.graphics.Color)	4278224951 (0xFF008837)
YUV	86.1020, -15.3333, -75.5115
Hunter-Lab	42.2897, -33.9352, 20.3973

Details

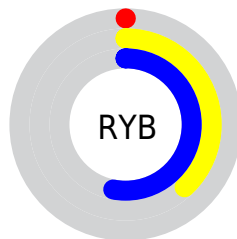
The XYZ color **9.4937, 17.8842, 6.5660** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **11.6390, 5.8286, 8.2963**, and the grayscale version is **8.9073, 9.3712, 10.2052**.

A 20% lighter version of the original color is **24.6092, 40.0549, 19.5310**, and **3.2704, 6.5058, 1.1982** is the 20% darker color. If you saturate the color by 10%, you get **9.4942, 17.8850, 6.5664**, and if you desaturate by 10%, it is **9.8796, 18.0593, 7.6827**.

Distribution



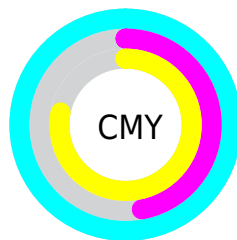
- Red (0%)
- Green (53%)
- Blue (22%)



- Red (0%)
- Yellow (38%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (47%)





- Cyan (100%)
- Magenta (47%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.4937, 17.8842, 6.5660 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 9.4937, 17.8842, 6.5660 by changing the saturation by 10% instead.


 9.4937, 17.8842,
6.5660


 9.4937, 17.8842,
6.5660


181.1496,
240.2175, 173.4989


 5.1243, 10.8669,
3.1179


 24.4972, 39.8399,
19.5924


 2.3559, 5.9774,
1.1551

 35.8619, 55.5471,
30.0078


 0.8230, 2.8313,
0.0000

 50.2891, 74.9197,
43.5827

 0.0000, 1.0443,
0.0000

 68.1441, 98.3421,
60.7357

 0.0000, 0.0000,
0.0000

 89.7923, 126.1986,
81.8853

 115.5990,

158.8738, 107.4500

145.9297,
196.7520, 137.8483

■ 9.4937, 17.8842,
6.5660

■ 9.4937, 17.8842,
6.5660

■ 9.4942, 17.8850,
6.5664

■ 9.8796, 18.0593,
7.6827

■ 10.4057, 18.3024,
8.9796

■ 11.1334, 18.6454,
10.4671

■ 12.0843, 19.0992,
12.1528

■ 13.2770, 19.6735,
14.0442

■ 14.7282, 20.3765,
16.1479

■ 16.4530, 21.2161,
18.4705

■ 18.4651, 22.1991,
21.0182

■ 20.7776, 23.3321,
23.7970

Harmonies

Analogous

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



12.7236, 17.8842, 2.6777



9.4937, 17.8842, 6.5660



8.2659, 17.8842, 17.0858

Triad

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



9.4937, 17.8842, 6.5660



16.1431, 17.8842, 70.3018



28.9013, 17.8842, 8.8867

Complementary

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



9.4937, 17.8842, 6.5660



11.6390, 5.8286, 8.2963

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.



30.3854, 17.8842, 22.0725



9.4937, 17.8842, 6.5660



22.1371, 17.8842, 63.6206

Square

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



9.4937, 17.8842, 6.5660



11.5212, 17.8842, 58.2901



27.6795, 17.8842, 43.1757



23.9834, 17.8842, 3.3980

Rectangle

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



9.4937, 17.8842, 6.5660



8.4902, 17.8842, 29.0462



27.6795, 17.8842, 43.1757



29.8591, 17.8842, 12.2747

Sweetspot

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



9.4942, 17.8850, 6.5664



28.7808, 37.2835, 32.2708



12.2497, 19.3851, 3.0961



6.3965, 8.5035, 7.1174



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.



9.4942, 17.8850, 6.5664



16.6579, 31.4880, 11.1876



12.3424, 19.0242, 21.5649



5.0502, 5.6396, 5.7854



8.9900, 16.9286, 6.2378



0.0667, 0.1152, 0.0780

Inverse Universe

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



11.6390, 5.8286, 8.2963



20.4324, 10.2399, 14.2084



10.2304, 5.2651, 0.8785



5.1496, 5.0953, 5.8765



11.0202, 5.5182, 7.8765



0.0805, 0.0396, 0.0906

Previews

White Background



This preview shows how the XYZ color 9.4937, 17.8842, 6.5660 looks on a white background.

Color Contrast Check

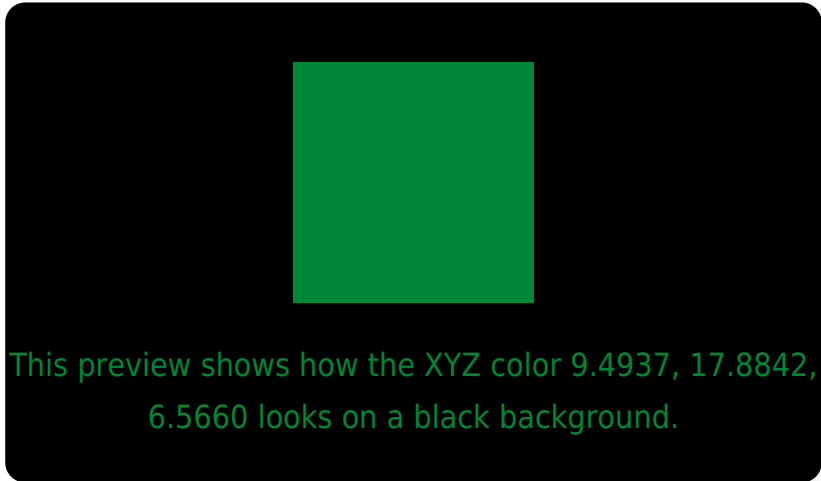
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

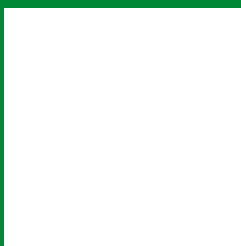
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.4937, 17.8842, 6.5660

Background



This preview shows how black text looks on a background with the XYZ color 9.4937, 17.8842, 6.5660.



This preview shows how white text looks on a background with the XYZ color 9.4937, 17.8842,

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

9.4937, 17.8842, 6.5660

Protanopia

16.1216, 17.6902, 5.4706

Deuteranopia

17.8816, 17.5563, 7.0037



Tritanopia

13.8279, 18.0576, 26.8014

Trichromacy



Original Color

9.4937, 17.8842, 6.5660



Protanomaly

11.3725, 16.4933, 5.7161



Deuteranomaly

11.8203, 15.9729, 6.5977



Tritanomaly

11.4828, 17.6554, 16.9900

Monochromacy



Original Color

9.4937, 17.8842, 6.5660



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

7.7959, 11.2209, 8.4116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.4937, 17.8842, 6.5660 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, 136, 55)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 55)  
}
```

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, 136, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 55) }
```

Border

The CSS property to change the border of an element to XYZ 9.4937, 17.8842, 6.5660 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, 136, 55) }
```


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

```
.border{ border-color:rgb(0, 136, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 136, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 55);  
box-shadow:4px 4px 4px 4px rgb(0, 136, 55)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.4937, 17.8842, 6.5660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 55) }
```

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

```
.background{ background-color: rgb(0, 136,  
55) }
```

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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