

Converting Colors

XYZ(4.9328, 15.7455, 7.7078)

Have a look what the booklet for
XYZ(4.9328, 15.7455, 7.7078)
contains.

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Color

**XYZ(9.8998, 18.2730,
8.0063)**

Conversions

Conversions Part 1

Format	Color
Hex	008941
RGB	0, 137, 65
RGB Percent	0%, 54%, 25%
CMY	1.0000, 0.4627, 0.7451
CMYK	1.00, 0.00, 0.53, 0.46
HSL	148°, 100%, 27%
HSV	148°, 100%, 54%
XYZ	9.8998, 18.2730, 8.0063
YIQ	87.8290, -58.5400, -51.4360

Conversions

Conversions Part 2

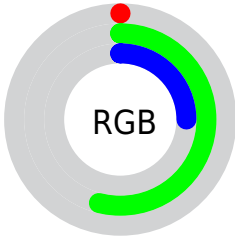
Format	Color
RYB	0, 93, 137
Decimal	35137
CIELab	49.83, -48.48, 29.70
CIELCh	50, 56.855, 148.504
Yxy	18.2730, 0.2736, 0.5051
Android (android.graphics.Color)	4278225217 (0xFF008941)
YUV	87.8290, -11.2547, -77.0260
Hunter-Lab	42.7469, -33.4682, 18.8181

Details

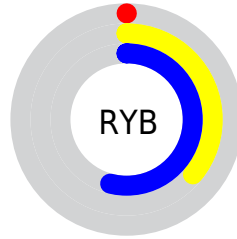
The XYZ color **9.8998, 18.2730, 8.0063** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.4868, 5.7866, 6.6430**, and the grayscale version is **9.2719, 9.7548, 10.6229**.

A 20% lighter version of the original color is **25.3666, 40.7080, 22.4401**, and **3.3577, 6.5407, 1.6578** is the 20% darker color. If you saturate the color by 10%, you get **9.9002, 18.2737, 8.0065**, and if you desaturate by 10%, it is **10.2989, 18.4536, 9.1846**.

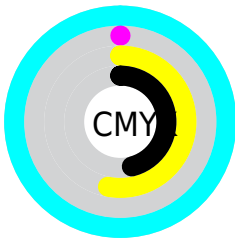
Distribution



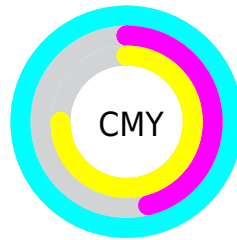
- Red (0%)
- Green (54%)
- Blue (25%)



- Red (0%)
- Yellow (36%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (46%)





- Cyan (100%)
- Magenta (46%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.8998, 18.2730, 8.0063 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 9.8998, 18.2730, 8.0063 by changing the saturation by 10% instead.


 9.8998, 18.2730,
8.0063


 9.8998, 18.2730,
8.0063


184.0240,
242.4053, 185.7179


 5.3943, 11.1462,
4.0111


 25.2583, 40.5020,
22.5172


 2.5176, 6.1652,
1.6315

 36.8419, 56.3729,
33.8700


 0.9041, 2.9458,
0.3131

 51.5158, 75.9273,
48.5124

 0.0000, 1.1035,
0.0000

 69.6450, 99.5496,
66.8630

 0.0000, 0.0000,
0.0000

 91.5952, 127.6241,
89.3403

 117.7315,

160.5353, 116.3628

148.4193,
198.6676, 148.3492

■ 9.8998, 18.2730,
8.0063

■ 9.8998, 18.2730,
8.0063

■ 9.9002, 18.2737,
8.0065

■ 10.2989, 18.4536,
9.1846

■ 10.8347, 18.7010,
10.5128

■ 11.5687, 19.0472,
11.9987

■ 12.5224, 19.5034,
13.6479

■ 13.7144, 20.0788,
15.4655

■ 15.1611, 20.7821,
17.4564

■ 16.8777, 21.6208,
19.6254

■ 18.8778, 22.6019,
21.9767

■ 21.1743, 23.7320,
24.5149

Harmonies

Analogous

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



12.8466, 18.2730, 3.4897



9.8998, 18.2730, 8.0063



8.8818, 18.2730, 19.1258

Triad

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



9.8998, 18.2730, 8.0063



17.0968, 18.2730, 67.2559



28.2537, 18.2730, 8.7661

Complementary

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



9.8998, 18.2730, 8.0063



11.4868, 5.7866, 6.6430

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.



30.0355, 18.2730, 20.6870



9.8998, 18.2730, 8.0063



22.8422, 18.2730, 59.4389

Square

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



9.8998, 18.2730, 8.0063



12.4644, 18.2730, 57.8345



27.8783, 18.2730, 39.9631



23.4136, 18.2730, 3.7400

Rectangle

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



9.8998, 18.2730, 8.0063



9.2292, 18.2730, 30.9750



27.8783, 18.2730, 39.9631



29.2696, 18.2730, 11.8351

Sweetspot

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



9.9003, 18.2737, 8.0067



30.0040, 38.6099, 34.8760



11.6990, 19.3112, 3.1109



6.4690, 8.5325, 7.4993



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.



9.9003, 18.2737, 8.0067



17.6474, 32.6911, 13.9095



13.1408, 19.5700, 25.0713



5.0642, 5.6452, 5.8590



9.2276, 17.0236, 7.4892



0.0686, 0.1160, 0.0883

Inverse Universe

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



11.4868, 5.7866, 6.6430



20.4870, 10.3290, 11.4593



10.3420, 5.3287, 0.6147



5.1355, 5.0896, 5.8018



10.7055, 5.3923, 6.2195



0.0785, 0.0388, 0.0803

Previews

White Background



This preview shows how the XYZ color 9.8998, 18.2730, 8.0063 looks on a white background.

Color Contrast Check

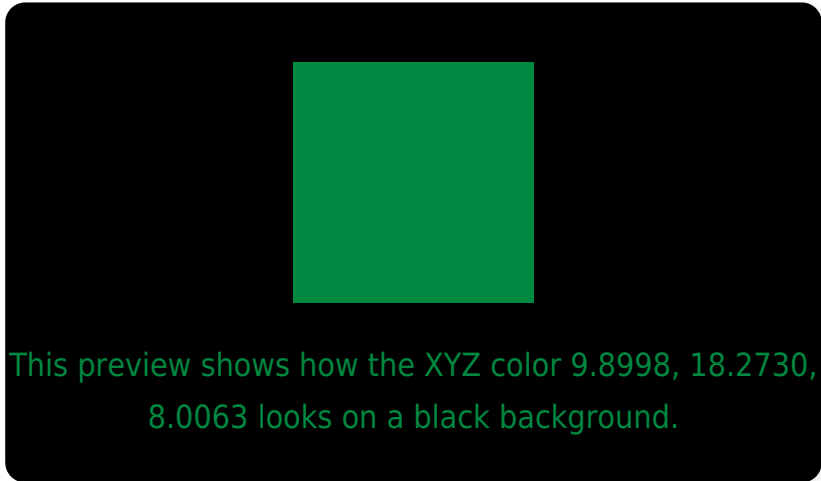
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.8998, 18.2730, 8.0063

Background



This preview shows how black text looks on a background with the XYZ color 9.8998, 18.2730, 8.0063.



This preview shows how white text looks on a background with the XYZ color 9.8998, 18.2730,

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

9.8998, 18.2730, 8.0063

Protanopia

16.4738, 18.0185, 6.7473

Deuteranopia

18.3702, 18.1048, 8.4876



Tritanopia

13.9787, 18.3215, 27.2257

Trichromacy



Original Color

9.8998, 18.2730, 8.0063



Protanomaly

11.7432, 16.8432, 7.0470



Deuteranomaly

12.3481, 16.5729, 8.1783



Tritanomaly

11.8356, 18.0125, 18.1822

Monochromacy



Original Color

9.8998, 18.2730, 8.0063



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

8.2329, 11.7280, 9.4192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8998, 18.2730, 8.0063 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, 137, 65)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 65)  
}
```

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, 137, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 65) }
```

Border

The CSS property to change the border of an element to XYZ 9.8998, 18.2730, 8.0063 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, 137, 65) }
```


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

```
.border{ border-color:rgb(0, 137, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 137, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 65);  
box-shadow:4px 4px 4px 4px rgb(0, 137, 65)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.8998, 18.2730, 8.0063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 137, 65) }
```

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

```
.background{ background-color: rgb(0, 137,  
65) }
```

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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