

Converting Colors

XYZ(9.6857, 17.9235, 5.4789)

Have a look what the booklet for
XYZ(9.6857, 17.9235, 5.4789)
contains.

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Color

**XYZ(9.7298, 18.0308,
5.4501)**

Conversions

Conversions Part 1

Format	Color
Hex	1B882D
RGB	27, 136, 45
RGB Percent	11%, 53%, 18%
CMY	0.8941, 0.4667, 0.8235
CMYK	0.80, 0.00, 0.67, 0.47
HSL	130°, 67%, 32%
HSV	130°, 80%, 53%
XYZ	9.7298, 18.0308, 5.4501
YIQ	93.0350, -35.7530, -51.4090

Conversions

Conversions Part 2

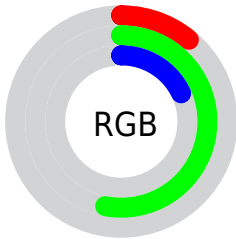
Format	Color
RYB	27, 121, 136
Decimal	1804333
CIELab	49.53, -48.57, 39.28
CIELCh	50, 62.470, 141.038
Yxy	18.0308, 0.2930, 0.5429
Android (android.graphics.Color)	4279994413 (0xFF1B882D)
YUV	93.0350, -23.6813, -57.9127
Hunter-Lab	42.4627, -33.4086, 22.1140

Details

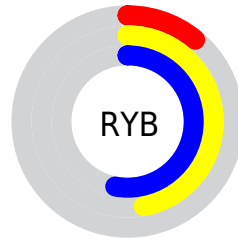
The XYZ color **9.7298, 18.0308, 5.4501** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **13.8157, 7.3263, 17.8255**, and the grayscale version is **10.4726, 11.0180, 11.9986**.

A 20% lighter version of the original color is **24.8926, 39.9284, 17.2215**, and **3.2485, 6.4970, 1.0828** is the 20% darker color. If you saturate the color by 10%, you get **9.2602, 17.8112, 4.4368**, and if you desaturate by 10%, it is **10.4257, 18.3613, 6.7819**.

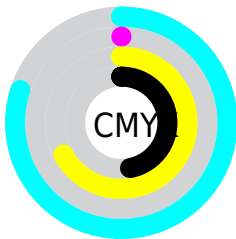
Distribution



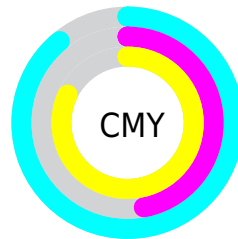
- Red (11%)
- Green (53%)
- Blue (18%)



- Red (11%)
- Yellow (47%)
- Blue (53%)



- Cyan (80%)
- Magenta (0%)
- Yellow (67%)
- Black (47%)





- Cyan (89%)
- Magenta (47%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.7298, 18.0308, 5.4501 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 9.7298, 18.0308, 5.4501 by changing the saturation by 10% instead.


 9.7298, 18.0308,
5.4501


 9.7298, 18.0308,
5.4501


182.8268,
241.0446, 163.1898


 5.2811, 10.9721,
2.4504


 24.9403, 40.0898,
17.2359


 2.4495, 6.0481,
0.8137

 36.4329, 55.8589,
26.8591


 0.8699, 2.8743,
0.0000

 51.0040, 75.3002,
39.5271

 0.0000, 1.0665,
0.0000

 69.0192, 98.7982,
55.6586

 0.0000, 0.0000,
0.0000

 90.8437, 126.7373,
75.6721

 116.8429,

159.5017, 99.9861

147.3821,
197.4761, 129.0191

■ 9.7298, 18.0308,
5.4501

■ 9.7298, 18.0308,
5.4501

■ 9.2602, 17.8112,
4.4368

■ 10.4257, 18.3613,
6.7819

■ 8.9538, 17.6688,
3.7211

■ 11.3712, 18.8127,
8.4546

■ 12.5882, 19.3963,
10.4899

■ 14.0957, 20.1215,
12.9076

■ 15.9110, 20.9968,
15.7257

■ 18.0501, 22.0302,
18.9613

■ 20.5278, 23.2288,
22.6304

■ 23.3580, 24.5996,
26.7484

■ 26.5539, 26.1491,
31.3295

Harmonies

Analogous

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



13.3714, 18.0308, 2.2255



9.7298, 18.0308, 5.4501



8.1812, 18.0308, 14.9842

Triad

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



9.7298, 18.0308, 5.4501



15.4268, 18.0308, 72.5637



30.0913, 18.0308, 10.1092

Complementary

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



9.7298, 18.0308, 5.4501



13.8157, 7.3263, 17.8255

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.



31.0014, 18.0308, 25.1545



9.7298, 18.0308, 5.4501



21.5522, 18.0308, 68.4069

Square

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



9.7298, 18.0308, 5.4501



10.9362, 18.0308, 57.3980



27.5863, 18.0308, 48.0521



25.3277, 18.0308, 3.6376

Rectangle

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



9.7298, 18.0308, 5.4501



8.2250, 18.0308, 26.5505



27.5863, 18.0308, 48.0521



30.8953, 18.0308, 14.0344

Sweetspot

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



9.7302, 18.0315, 5.4505



30.0879, 37.9906, 30.8281



16.6999, 21.6564, 4.3369



6.6992, 8.6683, 6.7318



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.



9.7302, 18.0315, 5.4505



15.9060, 31.1974, 6.7684



11.4541, 18.7211, 14.5284



5.0034, 5.6208, 5.5388



8.4767, 16.7233, 3.5352



0.0600, 0.1126, 0.0428

Inverse Universe

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



13.8157, 7.3263, 17.8255



23.3191, 11.5169, 29.0328



11.5042, 6.4017, 5.6533



5.1990, 5.1150, 6.1363



12.4626, 6.0951, 15.4721



0.0872, 0.0422, 0.1258

Previews

White Background



This preview shows how the XYZ color 9.7298, 18.0308, 5.4501 looks on a white background.

Color Contrast Check

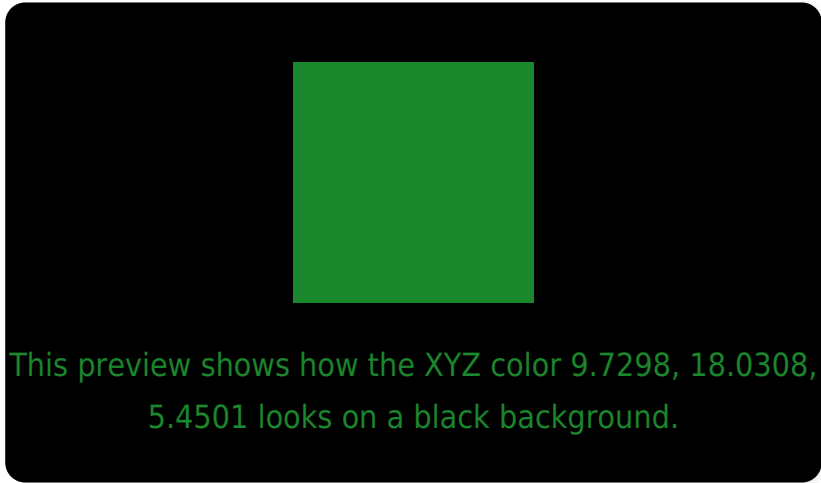
Large Text (above 18pt) WCAG AA ✓ Pass

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

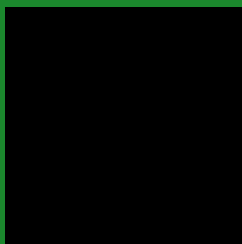
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 9.7298, 18.0308, 5.4501

Background



This preview shows how black text looks on a background with the XYZ color 9.7298, 18.0308, 5.4501.



This preview shows how white text looks on a background with the XYZ color 9.7298, 18.0308,

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

9.7298, 18.0308, 5.4501

Protanopia

16.1044, 17.7011, 4.5753

Deuteranopia

18.0041, 17.6457, 5.8252



Tritanopia

13.9682, 17.9455, 26.3945

Trichromacy



Original Color

9.7298, 18.0308, 5.4501



Protanomaly

12.1398, 16.9096, 4.8145



Deuteranomaly

12.7717, 16.4880, 5.5270



Tritanomaly

11.7002, 17.5931, 15.8758

Monochromacy



Original Color

9.7298, 18.0308, 5.4501



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

9.2274, 12.7243, 8.8072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7298, 18.0308, 5.4501 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(27, 136, 45)` looks like.

```
.text, #text, p{  
    color:rgb(27, 136, 45)  
}
```

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(27, 136, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 136, 45) }
```

Border

The CSS property to change the border of an element to XYZ 9.7298, 18.0308, 5.4501 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(27, 136, 45) }
```


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

```
.border{ border-color:rgb(27, 136, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 136, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 136, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 136, 45);  
box-shadow:4px 4px 4px 4px rgb(27, 136,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 9.7298, 18.0308, 5.4501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 136, 45) }
```

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

```
.background{ background-color: rgb(27, 136,  
45) }
```

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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