

Converting Colors

XYZ(9.8414, 18.4518, 5.3110)

Have a look what the booklet for
XYZ(9.8414, 18.4518, 5.3110)
contains.

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Color

**XYZ(9.8779, 18.5335,
5.3422)**

Conversions

Conversions Part 1

Format	Color
Hex	178A2B
RGB	23, 138, 43
RGB Percent	9%, 54%, 17%
CMY	0.9098, 0.4588, 0.8314
CMYK	0.83, 0.00, 0.69, 0.46
HSL	130°, 71%, 32%
HSV	130°, 83%, 54%
XYZ	9.8779, 18.5335, 5.3422
YIQ	92.7850, -38.0450, -53.9250

Conversions

Conversions Part 2

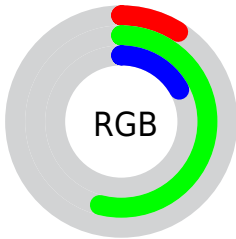
Format	Color
R_{YB}	23, 121, 138
Decimal	1542699
CIE _{Lab}	50.14, -49.99, 40.81
CIE _{LCh}	50, 64.537, 140.775
Yxy	18.5335, 0.2926, 0.5491
Android (android.graphics.Color)	4279732779 (0xFF178A2B)
YUV	92.7850, -24.5440, -61.2014
Hunter-Lab	43.0506, -34.3818, 22.7780

Details

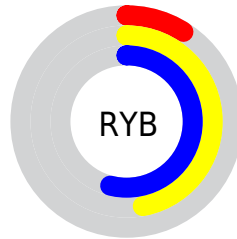
The XYZ color **9.8779, 18.5335, 5.3422** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **14.0583, 7.3245, 17.8132**, and the grayscale version is **10.4166, 10.9591, 11.9345**.

A 20% lighter version of the original color is **25.2622, 41.1039, 16.9583**, and **3.3278, 6.6556, 1.1093** is the 20% darker color. If you saturate the color by 10%, you get **9.4594, 18.3392, 4.3796**, and if you desaturate by 10%, it is **10.5201, 18.8375, 6.6214**.

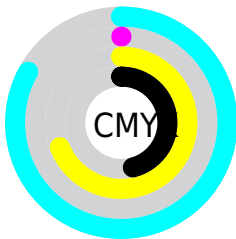
Distribution



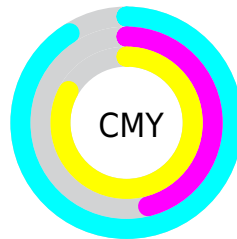
- Red (9%)
- Green (54%)
- Blue (17%)



- Red (9%)
- Yellow (47%)
- Blue (54%)



- Cyan (83%)
- Magenta (0%)
- Yellow (69%)
- Black (46%)





- Cyan (91%)
- Magenta (46%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.8779, 18.5335, 5.3422 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 9.8779, 18.5335, 5.3422 by changing the saturation by 10% instead.

 9.8779, 18.5335,
5.3422


 9.8779, 18.5335,
5.3422


183.8703,
243.8612, 162.1446

 5.3797, 11.3337,
2.3872


 25.2174, 40.9443,
17.0029


 2.5088, 6.2917,
0.7795


 36.7893, 56.9241,
26.5457


 0.8997, 3.0233,
0.0000

 51.4500, 76.5994,
39.1215

 0.0000, 1.1439,
0.0000

 69.5646, 100.3545,
55.1489

 0.0000, 0.0152,
0.0000

 91.4986, 128.5738,
75.0464

 0.0000, 0.0000,
0.0000

 117.6173,

161.6418, 99.2324

148.2861,
199.9428, 128.1257

■ 9.8779, 18.5335,
5.3422

■ 9.8779, 18.5335,
5.3422

■ 9.4594, 18.3392,
4.3796

■ 10.5201, 18.8375,
6.6214

■ 9.2537, 18.2436,
3.8978

■ 11.4118, 19.2622,
8.2404

■ 12.5763, 19.8199,
10.2217

■ 14.0341, 20.5206,
12.5854

■ 15.8034, 21.3734,
15.3502

■ 17.9011, 22.3865,
18.5335

■ 20.3428, 23.5677,
22.1517

■ 23.1432, 24.9242,
26.2203

■ 26.3160, 26.4627,
30.7541

Harmonies

Analogous

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



13.7036, 18.5335, 2.1062



9.8779, 18.5335, 5.3422



8.2487, 18.5335, 15.1702

Triad

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



9.8779, 18.5335, 5.3422



15.7663, 18.5335, 76.4124



31.3363, 18.5335, 10.3031

Complementary

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



9.8779, 18.5335, 5.3422



14.0583, 7.3245, 17.8132

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.



32.2601, 18.5335, 26.1863



9.8779, 18.5335, 5.3422



22.2089, 18.5335, 72.1584

Square

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



9.8779, 18.5335, 5.3422



11.0814, 18.5335, 60.0609



28.6039, 18.5335, 50.5270



26.3159, 18.5335, 3.5736

Rectangle

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



9.8779, 18.5335, 5.3422



8.2827, 18.5335, 27.2871



28.6039, 18.5335, 50.5270



32.1760, 18.5335, 14.4281

Sweetspot

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



9.8783, 18.5343, 5.3426



30.6868, 39.0403, 31.3662



16.8287, 22.1498, 4.1992



6.6268, 8.6328, 6.6479



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.



9.8783, 18.5343, 5.3426



16.2680, 32.1393, 6.6454



11.7265, 19.2735, 15.0750



5.0051, 5.6215, 5.5477



8.4881, 16.7278, 3.5952



0.0602, 0.1127, 0.0440

Inverse Universe

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



14.0583, 7.3245, 17.8132



23.7774, 11.6452, 28.7867



11.6395, 6.3570, 5.0761



5.1972, 5.1143, 6.1267



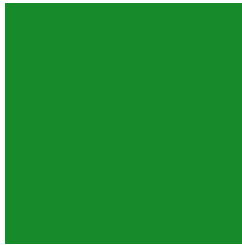
12.3993, 6.0698, 15.1388



0.0869, 0.0421, 0.1245

Previews

White Background



This preview shows how the XYZ color 9.8779, 18.5335, 5.3422 looks on a white background.

Color Contrast Check

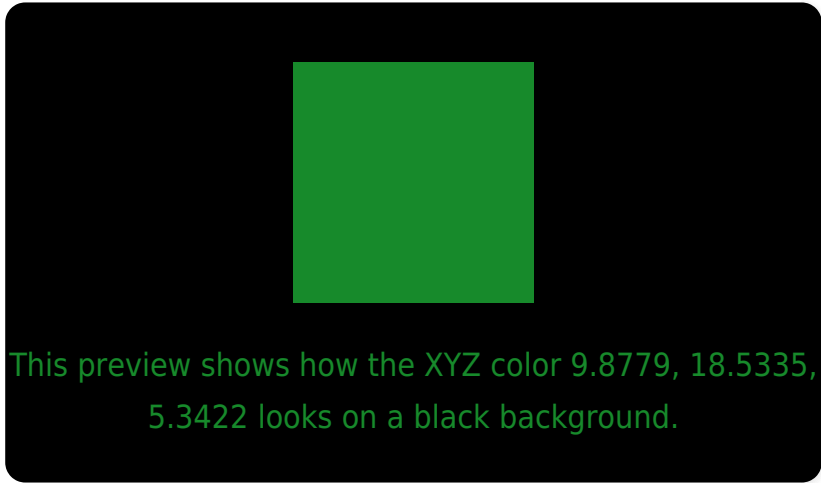
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 9.8779, 18.5335, 5.3422

Background



This preview shows how black text looks on a background with the XYZ color 9.8779, 18.5335, 5.3422.



This preview shows how white text looks on a background with the XYZ color 9.8779, 18.5335,

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

9.8779, 18.5335, 5.3422

Protanopia

16.6195, 18.3201, 4.4939

Deuteranopia

18.5576, 18.2612, 5.7955



Tritanopia

14.3739, 18.5253, 27.2442

Trichromacy



Original Color

9.8779, 18.5335, 5.3422

Protanomaly

12.3581, 17.4021, 4.7151

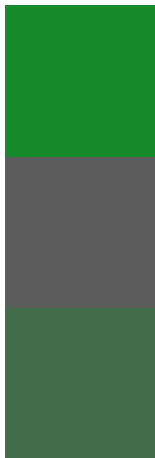
Deuteranomaly

12.9934, 16.9656, 5.4956

Tritanomaly

11.9222, 18.1063, 15.9632

Monochromacy



Original Color

9.8779, 18.5335, 5.3422

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.1225, 12.6742, 8.6222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8779, 18.5335, 5.3422 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(23, 138, 43)` looks like.

```
.text, #text, p{  
    color:rgb(23, 138, 43)  
}
```

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(23, 138, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 138, 43) }
```

Border

The CSS property to change the border of an element to XYZ 9.8779, 18.5335, 5.3422 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(23, 138, 43) }
```


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

```
.border{ border-color:rgb(23, 138, 43) }
```

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

Here you see how a box with a 4 pixel rgb(23, 138, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 138, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 138, 43);  
box-shadow:4px 4px 4px 4px rgb(23, 138,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8779, 18.5335, 5.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 138, 43) }
```

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

```
.background{ background-color: rgb(23, 138,  
43) }
```

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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