

Converting Colors

XYZ(8.9720, 14.7831, 8.1707)

Have a look what the booklet for
XYZ(8.9720, 14.7831, 8.1707)
contains.

XYZ(9.0199, 14.8535, 8.1860)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(9.0199, 14.8535,
8.1860)**

Conversions

Conversions Part 1

Format	Color
Hex	2A7A46
RGB	42, 122, 70
RGB Percent	16%, 48%, 27%
CMY	0.8353, 0.5216, 0.7255
CMYK	0.66, 0.00, 0.43, 0.52
HSL	141°, 49%, 32%
HSV	141°, 66%, 48%
XYZ	9.0199, 14.8535, 8.1860
YIQ	92.1520, -30.9880, -33.1320

Conversions

Conversions Part 2

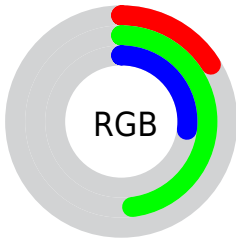
Format	Color
R_{YB}	42, 101, 122
Decimal	2783814
CIE _{Lab}	45.43, -36.73, 21.51
CIE _{LCh}	45, 42.566, 149.650
Yxy	14.8535, 0.2813, 0.4633
Android (android.graphics.Color)	4280973894 (0xFF2A7A46)
YUV	92.1520, -10.9209, -43.9833
Hunter-Lab	38.5402, -25.6695, 14.3849

Details

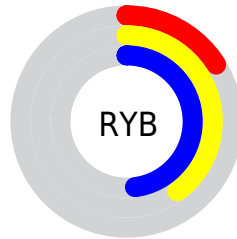
The XYZ color **9.0199, 14.8535, 8.1860** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **10.8749, 6.6020, 11.2914**, and the grayscale version is **10.2376, 10.7708, 11.7294**.

A 20% lighter version of the original color is **23.5895, 34.5332, 22.8750**, and **2.4928, 4.7049, 1.6965** is the 20% darker color. If you saturate the color by 10%, you get **8.3609, 14.5412, 6.9338**, and if you desaturate by 10%, it is **9.8647, 15.2586, 9.6202**.

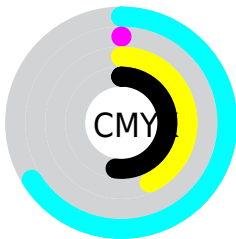
Distribution



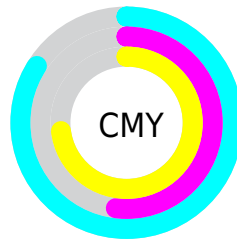
- Red (16%)
- Green (48%)
- Blue (27%)



- Red (16%)
- Yellow (40%)
- Blue (48%)



- Cyan (66%)
- Magenta (0%)
- Yellow (43%)
- Black (52%)



- Cyan (84%)
- Magenta (52%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.0199, 14.8535, 8.1860 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 9.0199, 14.8535, 8.1860 by changing the saturation by 10% instead.

9.0199, 14.8535,
8.1860

9.0199, 14.8535,
8.1860

177.7302,
222.4778, 187.1725

4.8114, 8.7166,
4.1247

23.6017, 34.5960,
22.8744

2.1706, 4.5568,
1.6940

34.7057, 48.9704,
34.3387

0.7272, 1.9897,
0.3566

48.8389, 66.8594,
49.1077

0.0000, 0.6015,
0.0000

66.3666, 88.6474,
67.5999

0.0000, 0.0000,
0.0000

87.6542, 114.7189,
90.2340

113.0671,

145.4582, 117.4284

142.9707,
181.2497, 149.6017

■ 9.0199, 14.8535,
8.1860

■ 9.0199, 14.8535,
8.1860

■ 8.3609, 14.5412,
6.9338

■ 9.8647, 15.2586,
9.6202

■ 7.8711, 14.3121,
5.8551

■ 10.9080, 15.7616,
11.2424

■ 7.5247, 14.1534,
4.9419

■ 12.1624, 16.3693,
13.0594

■ 7.3904, 14.0918,
4.5872

■ 13.6393, 17.0876,
15.0777

■ 15.3493, 17.9216,
17.3031

■ 17.3021, 18.8764,
19.7415

■ 19.5070, 19.9565,
22.3982

■ 21.9727, 21.1664,
25.2787

■ 24.7076, 22.5103,
28.3880

Harmonies

Analogous

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



11.0105, 14.8535, 4.4569



9.0199, 14.8535, 8.1860



8.3454, 14.8535, 16.0542

Triad

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



9.0199, 14.8535, 8.1860



14.0763, 14.8535, 44.5560



20.8997, 14.8535, 8.3176

Complementary

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



9.0199, 14.8535, 8.1860



10.8749, 6.6020, 11.2914

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.



22.0789, 14.8535, 16.2923



9.0199, 14.8535, 8.1860



17.7608, 14.8535, 39.7253

Square

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



9.0199, 14.8535, 8.1860



10.9496, 14.8535, 39.5090



20.8457, 14.8535, 28.1609



17.8448, 14.8535, 4.5075

Rectangle

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



9.0199, 14.8535, 8.1860



8.6277, 14.8535, 23.6558



20.8457, 14.8535, 28.1609



21.5492, 14.8535, 10.4623

Sweetspot

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



9.0203, 14.8541, 8.1863



25.4738, 30.7819, 28.4720



12.1320, 16.5377, 4.7434



5.6725, 6.9641, 6.3112



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



9.0203, 14.8541, 8.1863



14.2141, 25.3491, 11.1491



10.6573, 15.5089, 16.8065



4.0034, 4.4710, 4.5520



7.7769, 14.8344, 4.8100



36.7281, 70.6143, 21.0042

Inverse Universe

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



10.8749, 6.6020, 11.2914



17.7290, 9.6019, 16.9540



9.5520, 6.0729, 4.3255



4.0977, 4.0548, 4.7123



9.9436, 4.9536, 8.2596



47.0174, 23.4633, 37.2173

Previews

White Background



This preview shows how the XYZ color 9.0199, 14.8535, 8.1860 looks on a white background.

Color Contrast Check

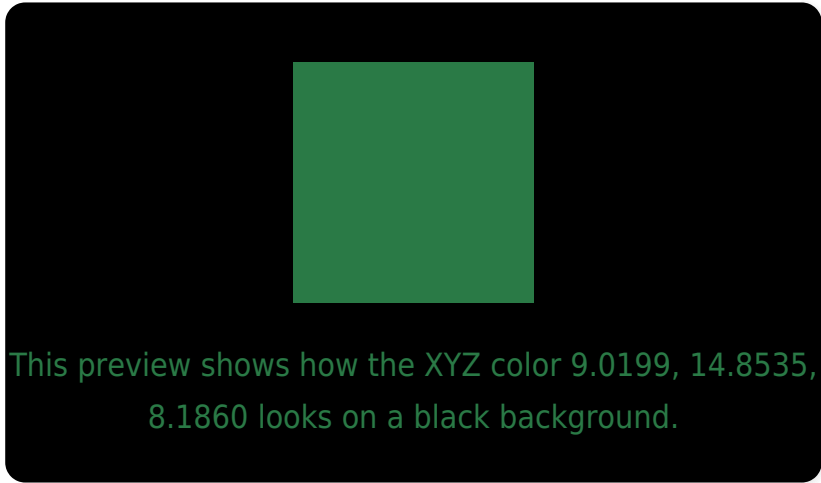
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.0199, 14.8535, 8.1860

Background



This preview shows how black text looks on a background with the XYZ color 9.0199, 14.8535, 8.1860.



This preview shows how white text looks on a background with the XYZ color 9.0199, 14.8535,

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

9.0199, 14.8535, 8.1860

Protanopia

13.5192, 14.6675, 6.9691

Deuteranopia

14.7738, 14.5228, 8.6811



Tritanopia

11.8105, 14.9321, 21.6617

Trichromacy



Original Color

9.0199, 14.8535, 8.1860

Protanomaly

10.9940, 14.1553, 7.3071

Deuteranomaly

11.4951, 13.9051, 8.3814

Tritanomaly

10.4964, 14.7337, 15.6553

Monochromacy



Original Color

9.0199, 14.8535, 8.1860

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.2745, 11.7964, 10.1756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.0199, 14.8535, 8.1860 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(42, 122, 70)` looks like.

```
.text, #text, p{  
    color:rgb(42, 122, 70)  
}
```

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(42, 122, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 122, 70) }
```

Border

The CSS property to change the border of an element to XYZ 9.0199, 14.8535, 8.1860 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(42, 122, 70) }
```


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

```
.border{ border-color:rgb(42, 122, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 122, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 122, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 122, 70);  
box-shadow:4px 4px 4px 4px rgb(42, 122,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 9.0199, 14.8535, 8.1860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 122, 70) }
```

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

```
.background{ background-color: rgb(42, 122,  
70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor