

Converting Colors

XYZ(9.9190, 19.6843, 3.7805)

Have a look what the booklet for
XYZ(9.9190, 19.6843, 3.7805)
contains.

XYZ(9.9160, 19.6823, 3.7667)	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(9.9160, 19.6823,
3.7667)**

Conversions

Conversions Part 1

Format	Color
Hex	008F10
RGB	0, 143, 16
RGB Percent	0%, 56%, 6%
CMY	1.0000, 0.4392, 0.9372
CMYK	1.00, 0.00, 0.89, 0.44
HSL	127°, 100%, 28%
HSV	127°, 100%, 56%
XYZ	9.9160, 19.6823, 3.7667
YIQ	85.7650, -44.4610, -69.8130

Conversions

Conversions Part 2

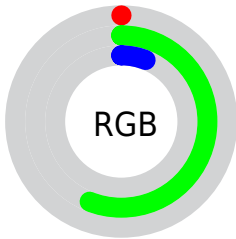
Format	Color
RYB	0, 129, 143
Decimal	36624
CIELab	51.48, -55.47, 51.17
CIELCh	51, 75.464, 137.306
Yxy	19.6823, 0.2972, 0.5899
Android (android.graphics.Color)	4278226704 (0xFF008F10)
YUV	85.7650, -34.3941, -75.2159
Hunter-Lab	44.3647, -37.7416, 26.0214

Details

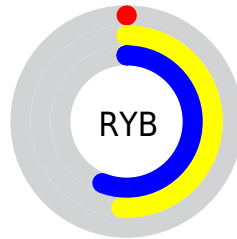
The XYZ color **9.9160, 19.6823, 3.7667** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **15.1586, 7.3721, 20.7013**, and the grayscale version is **8.8736, 9.3357, 10.1666**.

A 20% lighter version of the original color is **25.2679, 42.8610, 13.4198**, and **3.7411, 7.4822, 1.2470** is the 20% darker color. If you saturate the color by 10%, you get **9.9164, 19.6831, 3.7670**, and if you desaturate by 10%, it is **10.2269, 19.8287, 4.4319**.

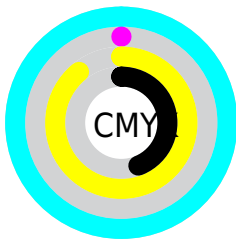
Distribution



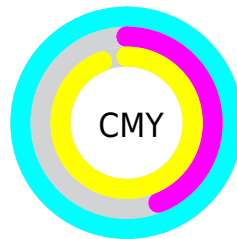
- Red (0%)
- Green (56%)
- Blue (6%)



- Red (0%)
- Yellow (51%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (89%)
- Black (44%)



- Cyan (100%)
- Magenta (44%)
- Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9160, 19.6823, 3.7667 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 9.9160, 19.6823, 3.7667 by changing the saturation by 10% instead.

■ 9.9160, 19.6823,
3.7667

■ 9.9160, 19.6823,
3.7667

184.1377,
250.1900, 145.5958

■ 5.4051, 12.1643,
1.4982

■ 25.2885, 42.8839,
13.4680

■ 2.5241, 6.8557,
0.2166

■ 36.8808, 59.3363,
21.7380

■ 0.9074, 3.3720,
0.0000

■ 51.5644, 79.5356,
32.8455

■ 0.0000, 1.3289,
0.0000

■ 69.7045, 103.8663,
47.2092


■ 0.0000, 0.1634,
0.0000


■ 91.6665, 132.7126,
65.2475


■ 0.0000, 0.0000,
0.0000


■ 117.8158,


166.4591, 87.3790


 148.5178,
205.4901, 114.0223


 9.9160, 19.6823,
3.7667


 9.9160, 19.6823,
3.7667


 9.9164, 19.6831,
3.7670

 10.2269, 19.8287,
4.4319

 10.7258, 20.0641,
5.4428

 11.4834, 20.4245,
6.8404

 12.5292, 20.9245,
8.6584

 13.8883, 21.5763,
10.9269

■ 15.5834, 22.3911,
13.6732

■ 17.6349, 23.3789,
16.9225

■ 20.0616, 24.5489,
20.6980

■ 22.8811, 25.9096,
25.0218

Harmonies

Analogous

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



14.7014, 19.6823, 1.1825



9.9160, 19.6823, 3.7667



7.7940, 19.6823, 13.5108

Triad

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



9.9160, 19.6823, 3.7667



15.6866, 19.6823, 93.2914



36.3383, 19.6823, 11.2646

Complementary

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



9.9160, 19.6823, 3.7667



15.1586, 7.3721, 20.7013

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.



36.8125, 19.6823, 31.9629



9.9160, 19.6823, 3.7667



23.3822, 19.6823, 90.9945

Square

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



9.9160, 19.6823, 3.7667



10.4687, 19.6823, 69.0185



31.5810, 19.6823, 63.9710



30.4206, 19.6823, 3.0700

Rectangle

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



9.9160, 19.6823, 3.7667



7.6622, 19.6823, 27.1838



31.5810, 19.6823, 63.9710



37.1870, 19.6823, 16.5525

Sweetspot

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



9.9165, 19.6831, 3.7671



31.3269, 41.7445, 29.9066



18.8310, 24.2895, 3.6959



6.8514, 9.4127, 6.3340



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



9.9165, 19.6831, 3.7671



17.7244, 35.2346, 6.5683



11.4946, 20.3144, 12.0777



5.3659, 6.0386, 5.8928



8.7721, 17.4047, 3.3538



0.0877, 0.1679, 0.0524

Inverse Universe

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



15.1586, 7.3721, 20.7013



27.1063, 13.1859, 36.8636



12.0717, 6.1374, 4.4458



5.6006, 5.5008, 6.6609



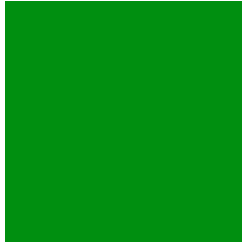
13.4073, 6.5200, 18.3282



0.1330, 0.0643, 0.2005

Previews

White Background



This preview shows how the XYZ color 9.9160, 19.6823, 3.7667 looks on a white background.

Color Contrast Check

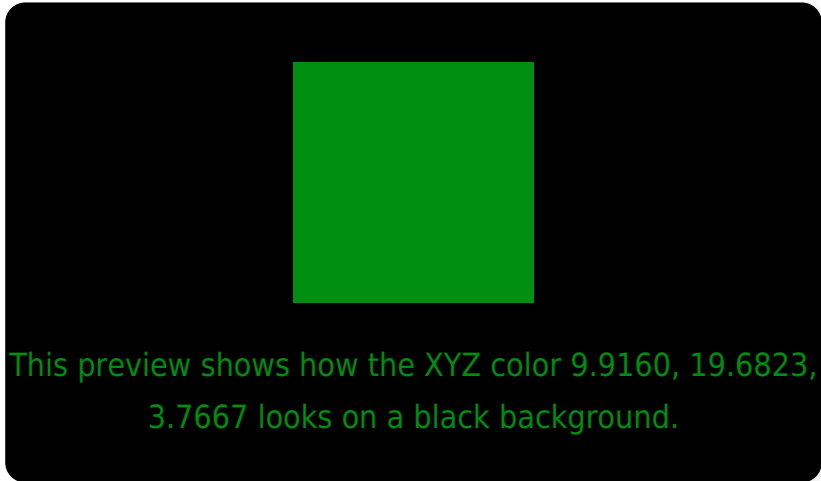
Large Text (above 18pt) WCAG AA ✓ Pass

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

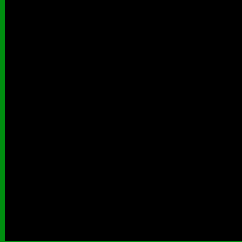
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 9.9160, 19.6823, 3.7667

Background



This preview shows how black text looks on a background with the XYZ color 9.9160, 19.6823, 3.7667.



This preview shows how white text looks on a background with the XYZ color 9.9160, 19.6823,

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

9.9160, 19.6823, 3.7667

Protanopia

17.4791, 19.3377, 3.0123

Deuteranopia

19.6710, 19.3786, 4.2170



Tritanopia

15.2850, 19.7493, 29.3920

Trichromacy



Original Color

9.9160, 19.6823, 3.7667



Protanomaly

12.0619, 18.0619, 3.1377



Deuteranomaly

12.5884, 17.5422, 3.7594



Tritanomaly

11.9027, 19.1665, 14.3814

Monochromacy



Original Color

9.9160, 19.6823, 3.7667



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

7.6755, 11.6645, 6.2618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9160, 19.6823, 3.7667 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, 143, 16)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 16)  
}
```

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, 143, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 16) }
```

Border

The CSS property to change the border of an element to XYZ 9.9160, 19.6823, 3.7667 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, 143, 16) }
```


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

```
.border{ border-color:rgb(0, 143, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 143, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 16);  
box-shadow:4px 4px 4px 4px rgb(0, 143, 16)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.9160, 19.6823, 3.7667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 16) }
```

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

```
.background{ background-color: rgb(0, 143,  
16) }
```

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