

Converting Colors

XYZ(9.8640, 19.6135, 3.6410)

Have a look what the booklet for
XYZ(9.8640, 19.6135, 3.6410)
contains.

XYZ(9.8951, 19.6740, 3.6567)	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(9.8951, 19.6740,
3.6567)**

Conversions

Conversions Part 1

Format	Color
Hex	008F0D
RGB	0, 143, 13
RGB Percent	0%, 56%, 5%
CMY	1.0000, 0.4392, 0.9490
CMYK	1.00, 0.00, 0.91, 0.44
HSL	125°, 100%, 28%
HSV	125°, 100%, 56%
XYZ	9.8951, 19.6740, 3.6567
YIQ	85.4230, -43.4980, -70.7460

Conversions

Conversions Part 2

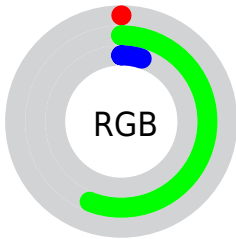
Format	Color
RYB	0, 131, 143
Decimal	36621
CIELab	51.47, -55.59, 51.79
CIELCh	51, 75.980, 137.024
Yxy	19.6740, 0.2978, 0.5921
Android (android.graphics.Color)	4278226701 (0xFF008F0D)
YUV	85.4230, -35.7045, -74.9160
Hunter-Lab	44.3554, -37.8009, 26.1608

Details

The XYZ color **9.8951, 19.6740, 3.6567** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **15.3570, 7.4514, 21.7458**, and the grayscale version is **8.8034, 9.2619, 10.0862**.

A 20% lighter version of the original color is **25.2344, 42.8476, 13.2438**, and **3.7411, 7.4822, 1.2470** is the 20% darker color. If you saturate the color by 10%, you get **9.8956, 19.6748, 3.6571**, and if you desaturate by 10%, it is **10.1952, 19.8161, 4.2653**.

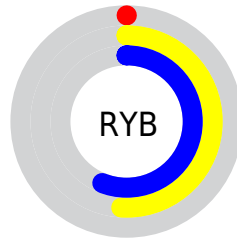
Distribution



Red (0%)

Green (56%)

Blue (5%)



Red (0%)

Yellow (51%)

Blue (56%)

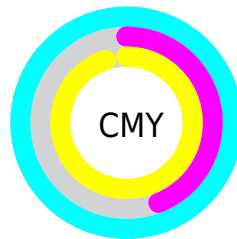


Cyan (100%)

Magenta (0%)

Yellow (91%)

Black (44%)



Cyan (100%)

Magenta (44%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8951, 19.6740, 3.6567 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 9.8951, 19.6740, 3.6567 by changing the saturation by 10% instead.

■ 9.8951, 19.6740,
3.6567

■ 9.8951, 19.6740,
3.6567

183.9910,
250.1448, 144.3296

■ 5.3912, 12.1583,
1.4390

■ 25.2495, 42.8699,
13.2099

■ 2.5157, 6.8516,
0.1718

■ 36.8307, 59.3190,
21.3825

■ 0.9032, 3.3695,
0.0000

■ 51.5016, 79.5146,
32.3771

■ 0.0000, 1.3275,
0.0000

■ 69.6278, 103.8411,
46.6123


■ 0.0000, 0.1624,
0.0000


■ 91.5744, 132.6830,
64.5066


■ 0.0000, 0.0000,
0.0000


■ 117.7070,


166.4247, 86.4785

 148.3907,
205.4505, 112.9467


 9.8951, 19.6740,
3.6567


 9.8951, 19.6740,
3.6567


 9.8956, 19.6748,
3.6571

 10.1952, 19.8161,
4.2653

 10.6847, 20.0477,
5.2266

 11.4350, 20.4052,
6.5856

 12.4760, 20.9033,
8.3792

 13.8337, 21.5545,
10.6402

■ 15.5309, 22.3702,
13.3980

■ 17.5886, 23.3605,
16.6799

■ 20.0259, 24.5346,
20.5110

■ 22.8605, 25.9014,
24.9149

Harmonies

Analogous

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



14.7282, 19.6740, 1.1336



9.8951, 19.6740, 3.6567



7.7445, 19.6740, 13.3108

Triad

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



9.8951, 19.6740, 3.6567



15.5977, 19.6740, 93.8875



36.5074, 19.6740, 11.3323

Complementary

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



9.8951, 19.6740, 3.6567



15.3570, 7.4514, 21.7458

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.



36.9276, 19.6740, 32.2974



9.8951, 19.6740, 3.6567



23.3274, 19.6740, 91.8472

Square

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



9.8951, 19.6740, 3.6567



10.3818, 19.6740, 69.1490



31.6039, 19.6740, 64.6700



30.5765, 19.6740, 3.0487

Rectangle

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



9.8951, 19.6740, 3.6567



7.5986, 19.6740, 26.9757



31.6039, 19.6740, 64.6700



37.3451, 19.6740, 16.6876

Sweetspot

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



9.8956, 19.6748, 3.6571



31.2437, 41.7112, 29.4685



19.1962, 24.4779, 3.7130



6.8312, 9.4047, 6.2276



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.



9.8956, 19.6748, 3.6571



17.6912, 35.2213, 6.3936



11.4004, 20.2768, 11.5815



5.3616, 6.0369, 5.8699



8.7531, 17.3971, 3.2540



0.0868, 0.1676, 0.0478

Inverse Universe

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



15.3570, 7.4514, 21.7458



27.4679, 13.3306, 38.7678



12.1328, 6.1618, 4.7675



5.6054, 5.5027, 6.6860



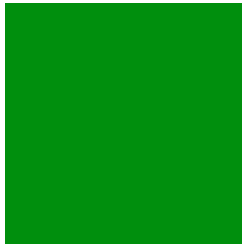
13.5819, 6.5898, 19.2476



0.1339, 0.0646, 0.2051

Previews

White Background



This preview shows how the XYZ color 9.8951, 19.6740, 3.6567 looks on a white background.

Color Contrast Check

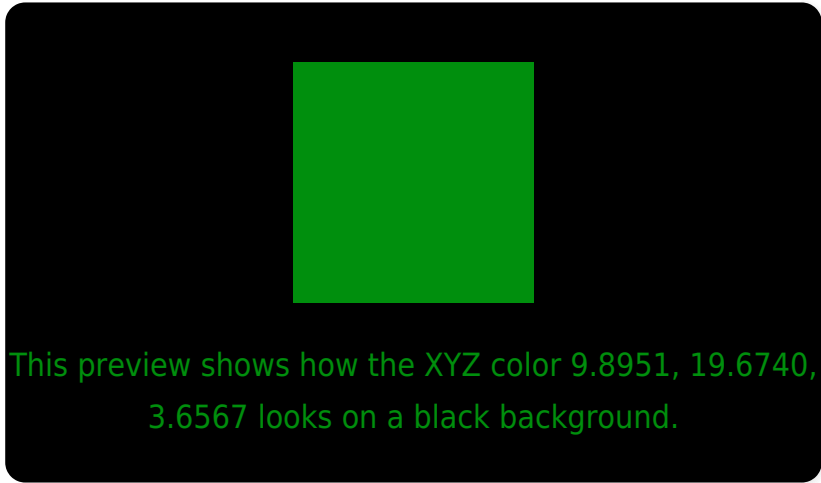
Large Text (above 18pt) WCAG AA ✓ Pass

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

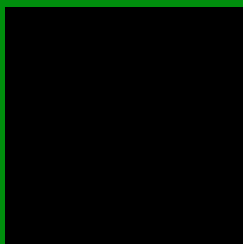
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 9.8951, 19.6740, 3.6567

Background



This preview shows how black text looks on a background with the XYZ color 9.8951, 19.6740, 3.6567.



This preview shows how white text looks on a background with the XYZ color 9.8951, 19.6740,

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

9.8951, 19.6740, 3.6567

Protanopia

17.4408, 19.3223, 2.8104

Deuteranopia

19.6568, 19.3729, 4.1422



Tritanopia

15.2850, 19.7493, 29.3920

Trichromacy



Original Color

9.8951, 19.6740, 3.6567



Protanomaly

12.0345, 18.0509, 2.9935



Deuteranomaly

12.5771, 17.5377, 3.6995



Tritanomaly

11.8563, 19.1479, 14.1374

Monochromacy



Original Color

9.8951, 19.6740, 3.6567



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

7.4648, 11.4081, 5.9462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8951, 19.6740, 3.6567 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, 13)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 13)  
}
```

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, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 13) }
```

Border

The CSS property to change the border of an element to XYZ 9.8951, 19.6740, 3.6567 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, 13) }
```


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

```
.border{ border-color:rgb(0, 143, 13) }
```

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, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 13);  
box-shadow:4px 4px 4px 4px rgb(0, 143, 13)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.8951, 19.6740, 3.6567 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, 13) }
```

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

```
.background{ background-color: rgb(0, 143,  
13) }
```

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