

Converting Colors

XYZ(9.8194, 19.2914, 3.6372)

Have a look what the booklet for
XYZ(9.8194, 19.2914, 3.6372)
contains.

XYZ(9.7558, 19.1596, 3.5995)	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(9.7558, 19.1596,
3.5995)**

Conversions

Conversions Part 1

Format	Color
Hex	0C8D0E
RGB	12, 141, 14
RGB Percent	5%, 55%, 5%
CMY	0.9529, 0.4470, 0.9451
CMYK	0.91, 0.00, 0.90, 0.45
HSL	121°, 84%, 30%
HSV	121°, 91%, 55%
XYZ	9.7558, 19.1596, 3.5995
YIQ	87.9510, -36.1170, -66.8450

Conversions

Conversions Part 2

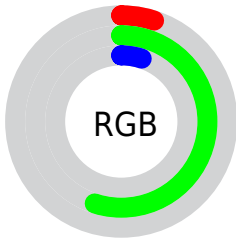
Format	Color
R_{YB}	12, 139, 141
Decimal	822542
CIE _{Lab}	50.87, -54.14, 51.11
CIE _{LCh}	51, 74.456, 136.650
Yxy	19.1596, 0.3000, 0.5893
Android (android.graphics.Color)	4279012622 (0xFF0C8D0E)
YUV	87.9510, -36.4578, -66.6090
Hunter-Lab	43.7717, -36.8165, 25.7645

Details

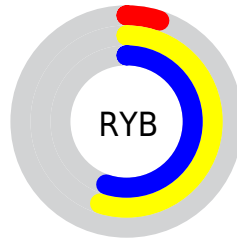
The XYZ color **9.7558, 19.1596, 3.5995** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **15.7764, 7.7900, 25.0971**, and the grayscale version is **9.3487, 9.8355, 10.7109**.

A 20% lighter version of the original color is **25.0623, 42.0847, 13.1056**, and **3.5724, 7.1448, 1.1908** is the 20% darker color. If you saturate the color by 10%, you get **9.5372, 19.0553, 3.2383**, and if you desaturate by 10%, it is **10.1622, 19.3548, 4.2920**.

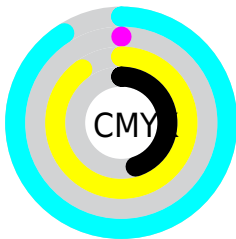
Distribution



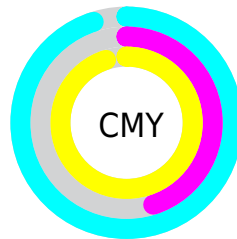
- Red (5%)
- Green (55%)
- Blue (5%)



- Red (5%)
- Yellow (55%)
- Blue (5%)



- Cyan (91%)
- Magenta (0%)
- Yellow (90%)
- Black (45%)





- Cyan (95%)
- Magenta (45%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.7558, 19.1596, 3.5995 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 9.7558, 19.1596, 3.5995 by changing the saturation by 10% instead.


 9.7558, 19.1596,
3.5995


 9.7558, 19.1596,
3.5995


183.0105,
247.3284, 143.6640


 5.2984, 11.7857,
1.4083


 24.9890, 42.0036,
13.0750


 2.4599, 6.5979,
0.1482


 36.4955, 58.2425,
21.1964


 0.8751, 3.2119,
0.0000

 51.0824, 78.2051,
32.1317

 0.0000, 1.2434,
0.0000

 69.1151, 102.2759,
46.2992


 0.0000, 0.0967,
0.0000


 90.9589, 130.8392,
64.1177


 0.0000, 0.0000,
0.0000


 116.9791,


164.2795, 86.0057


 147.5412,
202.9811, 112.3816


 9.7558, 19.1596,
3.5995


 9.7558, 19.1596,
3.5995


 9.5372, 19.0553,
3.2383

 10.1622, 19.3548,
4.2920

 10.8221, 19.6712,
5.3957

 11.7683, 20.1253,
6.9613

 13.0283, 20.7304,
9.0322

 14.6264, 21.4980,
11.6465

■ 16.5846, 22.4389,
14.8388

■ 18.9229, 23.5625,
18.6408

■ 21.6598, 24.8780,
23.0818

■ 24.8128, 26.3937,
28.1895

Harmonies

Analogous

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



14.4592, 19.1596, 1.1566



9.7558, 19.1596, 3.5995



7.6420, 19.1596, 12.8520

Triad

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



9.7558, 19.1596, 3.5995



15.1427, 19.1596, 90.0655



35.3525, 19.1596, 11.2922

Complementary

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



9.7558, 19.1596, 3.5995



15.7764, 7.7900, 25.0971

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.



35.6808, 19.1596, 31.6540



9.7558, 19.1596, 3.5995



22.5605, 19.1596, 88.4780

Square

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



9.7558, 19.1596, 3.5995



10.1397, 19.1596, 66.2103



30.5204, 19.1596, 62.7197



29.7168, 19.1596, 3.1132

Rectangle

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



9.7558, 19.1596, 3.5995



7.4826, 19.1596, 25.9003



30.5204, 19.1596, 62.7197



36.1311, 19.1596, 16.5227

Sweetspot

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



9.7562, 19.1604, 3.5999



31.2525, 40.9293, 29.1004



20.5765, 24.7400, 4.0388



6.7170, 9.0151, 6.0712



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



9.7562, 19.1604, 3.5999



17.0731, 34.1213, 5.7682



10.9990, 19.6575, 10.1442



5.3461, 6.0307, 5.7883



8.6964, 17.3744, 2.9556



0.0837, 0.1663, 0.0311

Inverse Universe

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



15.7764, 7.7900, 25.0971



27.9859, 13.4668, 44.7037



12.4385, 6.4548, 7.5199



5.6227, 5.5096, 6.7771



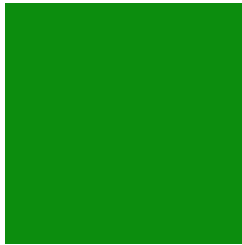
14.2528, 6.8582, 22.7806



0.1370, 0.0659, 0.2218

Previews

White Background



This preview shows how the XYZ color 9.7558, 19.1596, 3.5995 looks on a white background.

Color Contrast Check

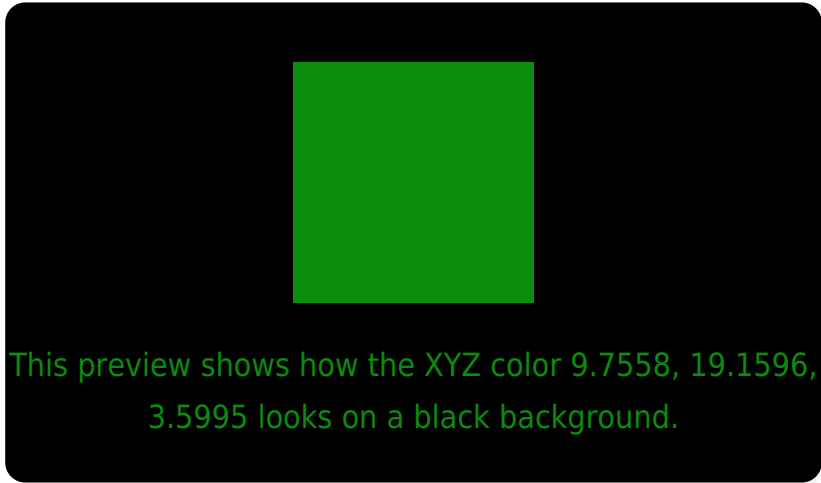
Large Text (above 18pt) WCAG AA ✓ Pass

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

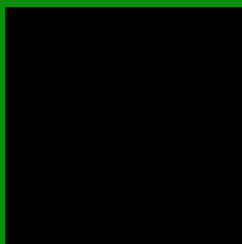
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 9.7558, 19.1596, 3.5995

Background



This preview shows how black text looks on a background with the XYZ color 9.7558, 19.1596, 3.5995.



This preview shows how white text looks on a background with the XYZ color 9.7558, 19.1596,

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

9.7558, 19.1596, 3.5995

Protanopia

16.9907, 18.9090, 2.7543

Deuteranopia

19.0543, 18.7237, 4.0486



Tritanopia

14.8623, 19.1463, 28.5035

Trichromacy



Original Color

9.7558, 19.1596, 3.5995



Protanomaly

12.0609, 17.6734, 2.9192



Deuteranomaly

12.6496, 17.1992, 3.6304



Tritanomaly

11.7258, 18.6678, 13.8117

Monochromacy



Original Color

9.7558, 19.1596, 3.5995



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

7.9635, 11.8130, 6.2753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7558, 19.1596, 3.5995 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(12, 141, 14)` looks like.

```
.text, #text, p{  
    color:rgb(12, 141, 14)  
}
```

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(12, 141, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 141, 14) }
```

Border

The CSS property to change the border of an element to XYZ 9.7558, 19.1596, 3.5995 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(12, 141, 14) }
```


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

```
.border{ border-color:rgb(12, 141, 14) }
```

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

Here you see how a box with a 4 pixel rgb(12, 141, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 141, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 141, 14);  
box-shadow:4px 4px 4px 4px rgb(12, 141,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 9.7558, 19.1596, 3.5995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 141, 14) }
```

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

```
.background{ background-color: rgb(12, 141,  
14) }
```

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