

Converting Colors

XYZ(9.9752, 19.5470, 3.6707)

Have a look what the booklet for
XYZ(9.9752, 19.5470, 3.6707)
contains.

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Color

**XYZ(9.9334, 19.4711,
3.6502)**

Conversions

Conversions Part 1

Format	Color
Hex	0E8E0E
RGB	14, 142, 14
RGB Percent	5%, 56%, 5%
CMY	0.9451, 0.4431, 0.9451
CMYK	0.90, 0.00, 0.90, 0.44
HSL	120°, 82%, 31%
HSV	120°, 90%, 56%
XYZ	9.9334, 19.4711, 3.6502
YIQ	89.1360, -35.2000, -66.9440

Conversions

Conversions Part 2

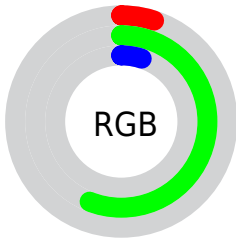
Format	Color
R_{YB}	14, 142, 142
Decimal	953870
CIE Lab	51.23, -54.28, 51.43
CIE LCh	51, 74.779, 136.545
Yxy	19.4711, 0.3005, 0.5891
Android (android.graphics.Color)	4279143950 (0xFF0E8E0E)
YUV	89.1360, -37.0420, -65.8943
Hunter-Lab	44.1261, -37.0378, 25.9837

Details

The XYZ color **9.9334, 19.4711, 3.6502** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **16.1951, 8.0180, 26.2838**, and the grayscale version is **9.6115, 10.1120, 11.0120**.

A 20% lighter version of the original color is **25.2887, 42.5374, 13.1810**, and **3.6562, 7.3123, 1.2187** is the 20% darker color. If you saturate the color by 10%, you get **9.6734, 19.3468, 3.2247**, and if you desaturate by 10%, it is **10.3699, 19.6814, 4.3640**.

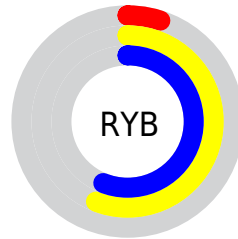
Distribution



Red (5%)

Green (56%)

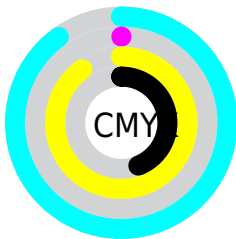
Blue (5%)



Red (5%)

Yellow (56%)

Blue (56%)

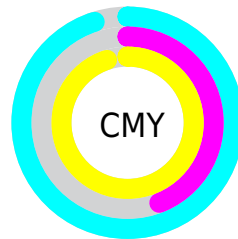


Cyan (90%)

Magenta (0%)

Yellow (90%)

Black (44%)



Cyan (95%)

Magenta (44%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9334, 19.4711, 3.6502 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 9.9334, 19.4711, 3.6502 by changing the saturation by 10% instead.

■ 9.9334, 19.4711,
3.6502

■ 9.9334, 19.4711,
3.6502

184.2596,
249.0373, 144.2542

■ 5.4167, 12.0112,
1.4355

■ 25.3210, 42.5286,
13.1946

■ 2.5310, 6.7513,
0.1692

■ 36.9226, 58.8951,
21.3614

■ 0.9109, 3.3071,
0.0000

■ 51.6166, 78.9991,
32.3493

■ 0.0000, 1.2941,
0.0000

■ 69.7683, 103.2251,
46.5768


■ 0.0000, 0.1366,
0.0000


■ 91.7432, 131.9576,
64.4625


■ 0.0000, 0.0000,
0.0000


■ 117.9064,


165.5808, 86.4250


 148.6234,
204.4793, 112.8827


 9.9334, 19.4711,
3.6502


 9.9334, 19.4711,
3.6502


 9.6734, 19.3468,
3.2247

 10.3699, 19.6814,
4.3640

 11.0700, 20.0177,
5.5092

 12.0669, 20.4965,
7.1399

 13.3886, 21.1314,
9.3018

 15.0599, 21.9342,
12.0356

■ 17.1032, 22.9157,
15.3777

■ 19.5390, 24.0858,
19.3618

■ 22.3863, 25.4535,
24.0190

■ 25.6630, 27.0274,
29.3784

Harmonies

Analogous

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



14.7194, 19.4711, 1.1782



9.9334, 19.4711, 3.6502



7.7777, 19.4711, 13.0153

Triad

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



9.9334, 19.4711, 3.6502



15.3694, 19.4711, 91.3742



35.9168, 19.4711, 11.5317

Complementary

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



9.9334, 19.4711, 3.6502



16.1951, 8.0180, 26.2838

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.



36.2288, 19.4711, 32.2520



9.9334, 19.4711, 3.6502



22.8935, 19.4711, 89.8658

Square

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



9.9334, 19.4711, 3.6502



10.2986, 19.4711, 67.1090



30.9760, 19.4711, 63.7920



30.2122, 19.4711, 3.1871

Rectangle

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



9.9334, 19.4711, 3.6502



7.6107, 19.4711, 26.2298



30.9760, 19.4711, 63.7920



36.7000, 19.4711, 16.8594

Sweetspot

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



9.9339, 19.4719, 3.6506



31.1987, 40.9077, 28.8170



20.9085, 25.1295, 4.1640



6.7044, 9.0101, 6.0046



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.



9.9339, 19.4719, 3.6506



17.0576, 34.1150, 5.6861



11.2298, 19.9903, 10.4748



5.3429, 6.0294, 5.7716



8.6850, 17.3698, 2.8952



0.0830, 0.1661, 0.0277

Inverse Universe

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



16.1951, 8.0180, 26.2838



28.2804, 13.5846, 46.2545



12.6881, 6.6152, 7.8163



5.6263, 5.5110, 6.7959



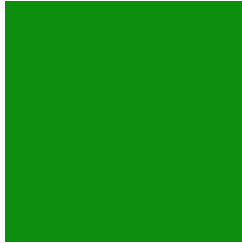
14.3991, 6.9167, 23.5508



0.1377, 0.0661, 0.2252

Previews

White Background



This preview shows how the XYZ color 9.9334, 19.4711, 3.6502 looks on a white background.

Color Contrast Check

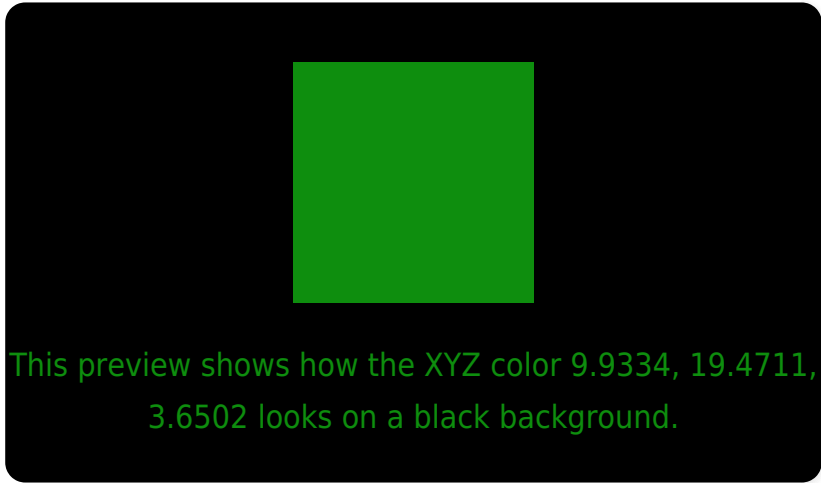
Large Text (above 18pt) WCAG AA ✓ Pass

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

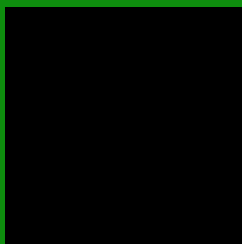
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 9.9334, 19.4711, 3.6502

Background



This preview shows how black text looks on a background with the XYZ color 9.9334, 19.4711, 3.6502.



This preview shows how white text looks on a background with the XYZ color 9.9334, 19.4711, 3.6502.

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

9.9334, 19.4711, 3.6502

Protanopia

17.2761, 19.2374, 2.8027

Deuteranopia

19.3541, 19.0467, 4.0951



Tritanopia

15.1337, 19.4778, 28.9486

Trichromacy



Original Color

9.9334, 19.4711, 3.6502



Protanomaly

12.2913, 17.9868, 2.9676



Deuteranomaly

12.9996, 17.5666, 3.6828



Tritanomaly

11.9542, 18.9883, 14.1014

Monochromacy



Original Color

9.9334, 19.4711, 3.6502



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

8.2187, 12.0971, 6.4592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9334, 19.4711, 3.6502 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(14, 142, 14)` looks like.

```
.text, #text, p{  
    color:rgb(14, 142, 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(14, 142, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 142, 14) }
```

Border

The CSS property to change the border of an element to XYZ 9.9334, 19.4711, 3.6502 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(14, 142, 14) }
```


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

```
.border{ border-color:rgb(14, 142, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 142, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 142, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 142, 14);  
box-shadow:4px 4px 4px 4px rgb(14, 142,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9334, 19.4711, 3.6502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 142, 14) }
```

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

```
.background{ background-color: rgb(14, 142,  
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](#).

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