

Converting Colors

XYZ(9.6315, 13.5061, 9.5088)

Have a look what the booklet for
XYZ(9.6315, 13.5061, 9.5088)
contains.

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Color

**XYZ(9.7003, 13.6037,
9.5117)**

Conversions

Conversions Part 1

Format	Color
Hex	44714F
RGB	68, 113, 79
RGB Percent	27%, 44%, 31%
CMY	0.7333, 0.5569, 0.6902
CMYK	0.40, 0.00, 0.30, 0.56
HSL	135°, 25%, 35%
HSV	135°, 40%, 44%
XYZ	9.7003, 13.6037, 9.5117
YIQ	95.6690, -15.9060, -20.1140

Conversions

Conversions Part 2

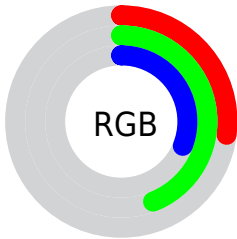
Format	Color
RYB	68, 104, 113
Decimal	4485455
CIELab	43.66, -23.49, 14.12
CIELCh	44, 27.407, 148.993
Yxy	13.6037, 0.2956, 0.4145
Android (android.graphics.Color)	4282675535 (0xFF44714F)
YUV	95.6690, -8.2178, -24.2657
Hunter-Lab	36.8832, -17.6000, 10.5281

Details

The XYZ color **9.7003, 13.6037, 9.5117** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.2759, 8.6045, 13.6373**, and the grayscale version is **11.0604, 11.6364, 12.6720**.

A 20% lighter version of the original color is **24.8226, 32.3203, 25.3522**, and **2.4476, 4.0345, 2.1631** is the 20% darker color. If you saturate the color by 10%, you get **8.6959, 13.1199, 7.9454**, and if you desaturate by 10%, it is **10.8973, 14.1829, 11.2960**.

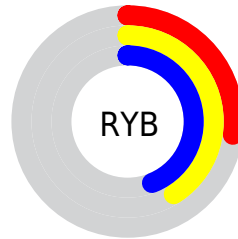
Distribution



Red (27%)

Green (44%)

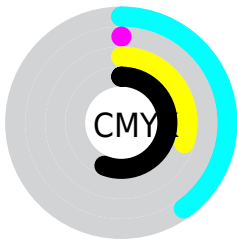
Blue (31%)



Red (27%)

Yellow (41%)

Blue (44%)

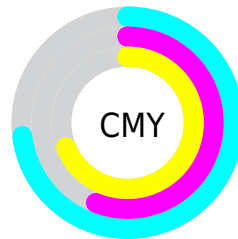


Cyan (40%)

Magenta (0%)

Yellow (30%)

Black (56%)



Cyan (73%)

Magenta (56%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.7003, 13.6037, 9.5117 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 9.7003, 13.6037, 9.5117 by changing the saturation by 10% instead.

■ 9.7003, 13.6037,
9.5117

■ 9.7003, 13.6037,
9.5117

182.6182,
214.7513, 197.5071

■ 5.2614, 7.8456,
4.9751

■ 24.8851, 32.3842,
25.4662

■ 2.4378, 3.9963,
2.1742

■ 36.3617, 46.1753,
37.7212

■ 0.8640, 1.6715,
0.6594

■ 50.9150, 63.4129,
53.3860

■ 0.0000, 0.4051,
0.0000

■ 68.9102, 84.4813,
72.8793

■ 0.0000, 0.0000,
0.0000

■ 90.7128, 109.7650,
96.6194

116.6881,

139.6482, 125.0251

147.2014,
174.5156, 158.5148

■ 9.7003, 13.6037,
9.5117

■ 9.7003, 13.6037,
9.5117

■ 8.6959, 13.1199,
7.9454

■ 10.8973, 14.1829,
11.2960

■ 7.8727, 12.7248,
6.5879

■ 12.2954, 14.8606,
13.3053

■ 7.2199, 12.4132,
5.4306

■ 13.9037, 15.6418,
15.5474

■ 6.7249, 12.1789,
4.4638

■ 15.7306, 16.5306,
18.0296

■ 6.3733, 12.0147,
3.6773

■ 17.7840, 17.5308,
20.7585

■ 6.1148, 11.8948,
3.0581

■ 20.0712, 18.6463,
23.7409

■ 6.1105, 11.8928,
3.0486

■ 22.5995, 19.8805,
26.9829

■ 25.3756, 21.2369,
30.4908

■ 28.4061, 22.7187,
34.2704

Harmonies

Analogous

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



11.0278, 13.6037, 6.6820



9.7003, 13.6037, 9.5117



9.2212, 13.6037, 14.6050

Triad

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



9.7003, 13.6037, 9.5117



12.8574, 13.6037, 30.0842



16.8936, 13.6037, 9.7825

Complementary

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



9.7003, 13.6037, 9.5117



11.2759, 8.6045, 13.6373

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.



17.5196, 13.6037, 15.0212



9.7003, 13.6037, 9.5117



15.0391, 13.6037, 27.7694

Square

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



9.7003, 13.6037, 9.5117



10.9150, 13.6037, 27.4543



16.8069, 13.6037, 21.7869



15.1787, 13.6037, 6.8051

Rectangle

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



9.7003, 13.6037, 9.5117



9.4015, 13.6037, 19.0093



16.8069, 13.6037, 21.7869



17.2462, 13.6037, 11.2832

Sweetspot

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



9.7007, 13.6043, 9.5120



24.1409, 27.6413, 26.7970



12.4853, 15.0823, 7.7221



5.5208, 6.3623, 6.1111



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



9.7007, 13.6043, 9.5120



15.6595, 23.5353, 14.3689



10.6384, 13.9794, 14.4500



3.3754, 3.7754, 3.7833



6.9239, 13.4871, 3.4201



34.1959, 67.0670, 15.4826

Inverse Universe

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



11.2759, 8.6045, 13.6373



18.9081, 13.2079, 22.8645



10.3255, 8.2244, 8.6329



3.4812, 3.4402, 4.0610



9.5940, 4.7300, 10.2039



47.4386, 23.4208, 48.9695

Previews

White Background



This preview shows how the XYZ color 9.7003, 13.6037, 9.5117 looks on a white background.

Color Contrast Check

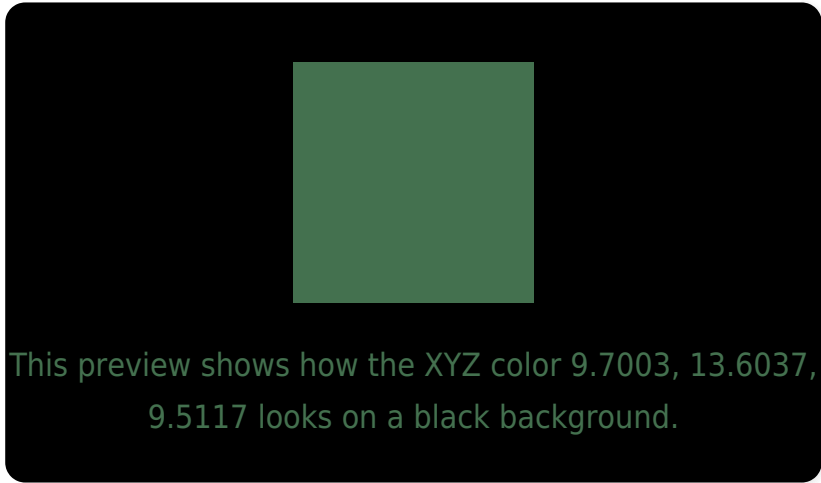
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.7003, 13.6037, 9.5117

Background



This preview shows how black text looks on a background with the XYZ color 9.7003, 13.6037, 9.5117.



This preview shows how white text looks on a background with the XYZ color 9.7003, 13.6037,

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

9.7003, 13.6037, 9.5117

Protanopia

12.5167, 13.5099, 8.4265

Deuteranopia

13.7306, 13.5259, 9.8697



Tritanopia

11.5539, 13.5460, 18.8353

Trichromacy



Original Color

9.7003, 13.6037, 9.5117

Protanomaly

11.2815, 13.4701, 8.8429

Deuteranomaly

11.8023, 13.2614, 9.7222

Tritanomaly

10.7718, 13.5476, 14.8792

Monochromacy



Original Color

9.7003, 13.6037, 9.5117

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.4346, 12.2194, 11.4815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7003, 13.6037, 9.5117 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(68, 113, 79) looks like.

```
.text, #text, p{  
    color:rgb(68, 113, 79)  
}
```

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(68, 113, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 113, 79) }
```

Border

The CSS property to change the border of an element to XYZ 9.7003, 13.6037, 9.5117 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(68, 113, 79) }
```


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

```
.border{ border-color:rgb(68, 113, 79) }
```

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

Here you see how a box with a 4 pixel rgb(68, 113, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 113, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 113, 79);  
box-shadow:4px 4px 4px 4px rgb(68, 113,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 9.7003, 13.6037, 9.5117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 113, 79) }
```

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

```
.background{ background-color: rgb(68, 113,  
79) }
```

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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