

Converting Colors

XYZ(9.4796, 13.3139, 9.9487)

Have a look what the booklet for
XYZ(9.4796, 13.3139, 9.9487)
contains.

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Color

**XYZ(9.4593, 13.3062,
9.8544)**

Conversions

Conversions Part 1	
Format	Color
Hex	417051
RGB	65, 112, 81
RGB Percent	25%, 44%, 32%
CMY	0.7451, 0.5608, 0.6823
CMYK	0.42, 0.00, 0.28, 0.56
HSL	140°, 27%, 35%
HSV	140°, 42%, 44%
XYZ	9.4593, 13.3062, 9.8544
YIQ	94.4130, -18.0610, -19.6050

Conversions

Conversions Part 2

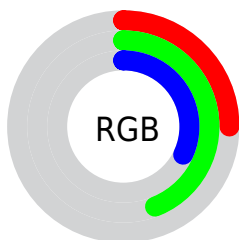
Format	Color
RYB	65, 100, 112
Decimal	4288593
CIELab	43.22, -23.55, 12.31
CIELCh	43, 26.577, 152.407
Yxy	13.3062, 0.2900, 0.4079
Android (android.graphics.Color)	4282478673 (0xFF417051)
YUV	94.4130, -6.6126, -25.7952
Hunter-Lab	36.4777, -17.5477, 9.5172

Details

The XYZ color **9.4593, 13.3062, 9.8544** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.6841, 8.0701, 12.0612**, and the grayscale version is **10.7557, 11.3159, 12.3230**.

A 20% lighter version of the original color is **24.3750, 31.8075, 25.9739**, and **2.3655, 3.9043, 2.2980** is the 20% darker color. If you saturate the color by 10%, you get **8.5281, 12.8568, 8.4427**, and if you desaturate by 10%, it is **10.5685, 13.8446, 11.4324**.

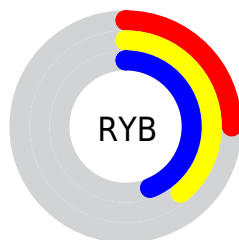
Distribution



Red (25%)

Green (44%)

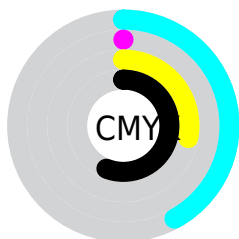
Blue (32%)



Red (25%)

Yellow (39%)

Blue (44%)

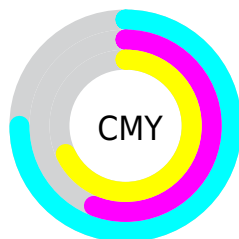


Cyan (42%)

Magenta (0%)

Yellow (28%)

Black (56%)



Cyan (75%)


Magenta (56%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.4593, 13.3062, 9.8544 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 9.4593, 13.3062, 9.8544 by changing the saturation by 10% instead.


 9.4593, 13.3062,
9.8544


 9.4593, 13.3062,
9.8544


180.9037,
212.8708, 200.0766


 5.1015, 7.6397,
5.1982


 24.4324, 31.8528,
26.1248


 2.3423, 3.8653,
2.3032


 35.7784, 45.5017,
38.5761


 0.8162, 1.5985,
0.7330

 50.1845, 62.5803,
54.4628

 0.0000, 0.3566,
0.0000

 68.0160, 83.4728,
74.2034


 0.0000, 0.0000,
0.0000


 89.6384, 108.5637,
98.2166


115.4168,

138.2374, 126.9208


145.7169,
172.8784, 160.7347


 9.4593, 13.3062,
9.8544


 9.4593, 13.3062,
9.8544

 8.5281, 12.8568,
8.4427


 10.5685, 13.8446,
11.4324


 7.7640, 12.4898,
7.1909


 11.8634, 14.4748,
13.1809


 7.1569, 12.2005,
6.0936


 13.3529, 15.2016,
15.1054


 6.6945, 11.9827,
5.1445


 15.0447, 16.0289,
17.2104


 6.3629, 11.8292,
4.3372


 16.9461, 16.9604,
19.5007

 6.1463, 11.7296,
3.7847

 19.0642, 17.9996,
21.9806

 21.4056, 19.1499,
24.6544

 23.9767, 20.4145,
27.5262

 26.7836, 21.7964,
30.6000

Harmonies

Analogous

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



10.6460, 13.3062, 6.8820



9.4593, 13.3062, 9.8544



9.0967, 13.3062, 14.9685

Triad

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



9.4593, 13.3062, 9.8544



12.8138, 13.3062, 28.9857



16.2839, 13.3062, 9.2315

Complementary

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



9.4593, 13.3062, 9.8544



10.6841, 8.0701, 12.0612

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.



17.0187, 13.3062, 14.0183



9.4593, 13.3062, 9.8544



14.8845, 13.3062, 26.2922

Square

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



9.4593, 13.3062, 9.8544



10.9042, 13.3062, 27.0054



16.4811, 13.3062, 20.3855



14.5665, 13.3062, 6.5968

Rectangle

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



9.4593, 13.3062, 9.8544



9.3354, 13.3062, 19.2426



16.4811, 13.3062, 20.3855



16.6620, 13.3062, 10.5895

Sweetspot

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



9.4597, 13.3067, 9.8547



23.0762, 26.5185, 26.0518



11.6077, 14.4755, 7.1833



5.4271, 6.3139, 6.1095



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.



9.4597, 13.3067, 9.8547



15.0792, 22.6326, 14.9850



10.4817, 13.7156, 15.2366



3.3876, 3.7802, 3.8473



7.0952, 13.5556, 4.3222



34.9762, 67.3791, 19.5918

Inverse Universe

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



10.6841, 8.0701, 12.0612



17.5273, 12.1450, 19.3842



9.7698, 7.7044, 7.2467



3.4685, 3.4351, 3.9937



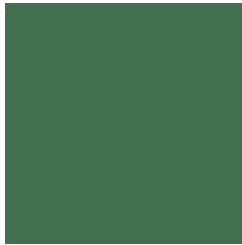
9.1380, 4.5476, 7.8027



45.1051, 22.4874, 36.6814

Previews

White Background



This preview shows how the XYZ color 9.4593, 13.3062, 9.8544 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



This preview shows how the XYZ color 9.4593, 13.3062, 9.8544 looks on a 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 9.4593, 13.3062, 9.8544

Background



This preview shows how black text looks on a background with the XYZ color 9.4593, 13.3062, 9.8544.



This preview shows how white text looks on a background with the XYZ color 9.4593, 13.3062,

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

9.4593, 13.3062, 9.8544

Protanopia

12.3626, 13.2758, 8.7484

Deuteranopia

13.4391, 13.2270, 10.2323



Tritanopia

11.1577, 13.1928, 18.4814

Trichromacy



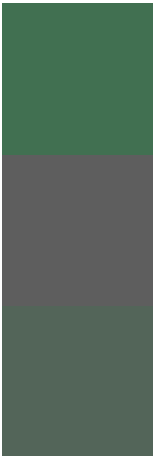
Original Color
9.4593, 13.3062, 9.8544

Protanomaly
11.0434, 13.1853, 9.1707

Deuteranomaly
11.5572, 12.9777, 10.0794

Tritanomaly
10.4426, 13.2186, 14.8330

Monochromacy



Original Color
9.4593, 13.3062, 9.8544

Achromatopsia
10.6392, 11.1932, 12.1894

Achromatomaly
10.0241, 11.8676, 11.2135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.4593, 13.3062, 9.8544 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(65, 112, 81)` looks like.

```
.text, #text, p{  
    color:rgb(65, 112, 81)  
}
```

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(65, 112, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 112, 81) }
```

Border

The CSS property to change the border of an element to XYZ 9.4593, 13.3062, 9.8544 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(65, 112, 81) }
```


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

```
.border{ border-color:rgb(65, 112, 81) }
```

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

Here you see how a box with a 4 pixel rgb(65, 112, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 112, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 112, 81);  
box-shadow:4px 4px 4px 4px rgb(65, 112,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 9.4593, 13.3062, 9.8544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 112, 81) }
```

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

```
.background{ background-color: rgb(65, 112,  
81) }
```

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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