

Converting Colors

XYZ(9.6187, 13.8539, 9.5993)

Have a look what the booklet for
XYZ(9.6187, 13.8539, 9.5993)
contains.

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Color

**XYZ(9.6564, 13.9160,
9.5742)**

Conversions

Conversions Part 1

Format	Color
Hex	40734F
RGB	64, 115, 79
RGB Percent	25%, 45%, 31%
CMY	0.7490, 0.5490, 0.6902
CMYK	0.44, 0.00, 0.31, 0.55
HSL	138°, 28%, 35%
HSV	138°, 44%, 45%
XYZ	9.6564, 13.9160, 9.5742
YIQ	95.6470, -18.8400, -22.0080

Conversions

Conversions Part 2

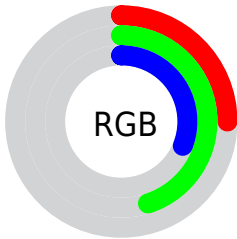
Format	Color
RYB	64, 103, 115
Decimal	4223823
CIELab	44.11, -25.80, 14.71
CIELCh	44, 29.694, 150.314
Yxy	13.9160, 0.2913, 0.4198
Android (android.graphics.Color)	4282413903 (0xFF40734F)
YUV	95.6470, -8.2070, -27.7544
Hunter-Lab	37.3042, -19.0765, 10.8960

Details

The XYZ color **9.6564, 13.9160, 9.5742** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.2044, 8.2321, 13.0557**, and the grayscale version is **11.0556, 11.6313, 12.6665**.

A 20% lighter version of the original color is **24.6544, 32.7734, 25.4485**, and **2.4029, 4.0975, 2.1776** is the 20% darker color. If you saturate the color by 10%, you get **8.7067, 13.4589, 8.0805**, and if you desaturate by 10%, it is **10.7972, 14.4682, 11.2659**.

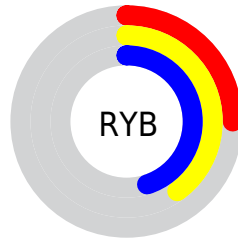
Distribution



Red (25%)

Green (45%)

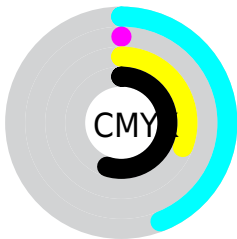
Blue (31%)



Red (25%)

Yellow (40%)

Blue (45%)

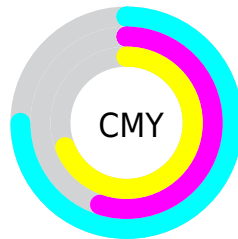


Cyan (44%)

Magenta (0%)

Yellow (31%)

Black (55%)



Cyan (75%)

Magenta (55%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.6564, 13.9160, 9.5742 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 9.6564, 13.9160, 9.5742 by changing the saturation by 10% instead.

■ 9.6564, 13.9160,
9.5742

■ 9.6564, 13.9160,
9.5742

182.3072,
216.7076, 197.9786

■ 5.2323, 8.0623,
5.0157

■ 24.8028, 32.9399,
25.5866

■ 2.4203, 4.1348,
2.1976

■ 36.2557, 46.8789,
37.8776

■ 0.8553, 1.7493,
0.6730

■ 50.7823, 64.2817,
53.5832

■ 0.0000, 0.4552,
0.0000

■ 68.7479, 85.5328,
73.1219

■ 0.0000, 0.0000,
0.0000

■ 90.5178, 111.0165,
96.9122

116.4574,

141.1173, 125.3728

146.9321,
176.2196, 158.9220

■ 9.6564, 13.9160,
9.5742

■ 9.6564, 13.9160,
9.5742

■ 8.7067, 13.4589,
8.0805

■ 10.7972, 14.4682,
11.2659

■ 7.9361, 13.0897,
6.7765

■ 12.1380, 15.1189,
13.1615

■ 7.3331, 12.8030,
5.6550

■ 13.6884, 15.8731,
15.2679

■ 6.8841, 12.5921,
4.7075

■ 15.4571, 16.7353,
17.5914

■ 6.5689, 12.4466,
3.9249

■ 17.4522, 17.7095,
20.1378

■ 6.4172, 12.3765,
3.5507

■ 19.6815, 18.7996,
22.9131

■ 22.1523, 20.0094,
25.9227

■ 24.8718, 21.3422,
29.1720

■ 27.8466, 22.8015,
32.6662

Harmonies

Analogous

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



11.0617, 13.9160, 6.4608



9.6564, 13.9160, 9.5742



9.1806, 13.9160, 15.2237

Triad

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



9.6564, 13.9160, 9.5742



13.2517, 13.9160, 32.2631



17.5536, 13.9160, 9.4834

Complementary

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



9.6564, 13.9160, 9.5742



11.2044, 8.2321, 13.0557

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.



18.3152, 13.9160, 15.0809



9.6564, 13.9160, 9.5742



15.6574, 13.9160, 29.4050

Square

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



9.6564, 13.9160, 9.5742



11.1000, 13.9160, 29.5162



17.5837, 13.9160, 22.5605



15.6091, 13.9160, 6.4204

Rectangle

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



9.6564, 13.9160, 9.5742



9.4040, 13.9160, 20.1381



17.5837, 13.9160, 22.5605



17.9661, 13.9160, 11.0656

Sweetspot

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



9.6568, 13.9166, 9.5745



24.8114, 28.5692, 27.7398



12.3733, 15.3731, 7.1659



5.7894, 6.7524, 6.4446



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



9.6568, 13.9166, 9.5745



15.5834, 24.0964, 14.4578



10.7417, 14.3506, 15.2878



3.6809, 4.1143, 4.1533



7.3272, 14.1449, 4.0130



35.3737, 68.7967, 17.8047

Inverse Universe

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



11.2044, 8.2321, 13.0557



18.7263, 12.5289, 21.5096



10.1758, 7.8207, 7.6391



3.7829, 3.7405, 4.3837



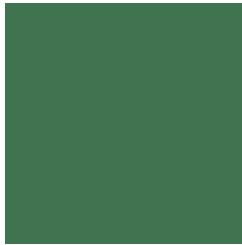
9.7788, 4.8452, 9.3090



47.2650, 23.4561, 43.3203

Previews

White Background



This preview shows how the XYZ color 9.6564, 13.9160, 9.5742 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 9.6564, 13.9160, 9.5742 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 9.6564, 13.9160, 9.5742

Background



This preview shows how black text looks on a background with the XYZ color 9.6564, 13.9160, 9.5742.



This preview shows how white text looks on a background with the XYZ color 9.6564, 13.9160,

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

9.6564, 13.9160, 9.5742

Protanopia

12.8684, 13.8398, 8.4717

Deuteranopia

13.9653, 13.7885, 9.9080



Tritanopia

11.6534, 13.9002, 19.5216

Trichromacy



Original Color

9.6564, 13.9160, 9.5742

Protanomaly

11.3864, 13.6798, 8.8778

Deuteranomaly

11.7923, 13.4066, 9.7508

Tritanomaly

10.8186, 13.8899, 15.2075

Monochromacy



Original Color

9.6564, 13.9160, 9.5742

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.3519, 12.3235, 11.5059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.6564, 13.9160, 9.5742 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(64, 115, 79)` looks like.

```
.text, #text, p{  
    color:rgb(64, 115, 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(64, 115, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 115, 79) }
```

Border

The CSS property to change the border of an element to XYZ 9.6564, 13.9160, 9.5742 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(64, 115, 79) }
```


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

```
.border{ border-color:rgb(64, 115, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 115, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 115, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 115, 79);  
box-shadow:4px 4px 4px 4px rgb(64, 115,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 9.6564, 13.9160, 9.5742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 115, 79) }
```

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

```
.background{ background-color: rgb(64, 115,  
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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