

# Converting Colors

XYZ(9.4760, 14.4934, 7.3742)

Have a look what the booklet for  
XYZ(9.4760, 14.4934, 7.3742)  
contains.

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# Color

**XYZ(9.5376, 14.5994,  
7.3163)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3E7741
RGB	62, 119, 65
RGB Percent	24%, 47%, 25%
CMY	0.7569, 0.5333, 0.7451
CMYK	0.48, 0.00, 0.45, 0.53
HSL	123°, 31%, 35%
HSV	123°, 48%, 47%
XYZ	9.5376, 14.5994, 7.3163
YIQ	95.8010, -16.6380, -28.8780

# Conversions

## Conversions Part 2

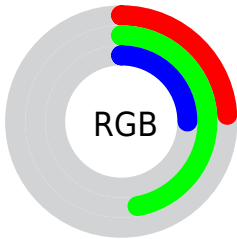
<b>Format</b>	<b>Color</b>
<b>RYB</b>	62, 116, 119
Decimal	4093761
CIELab	45.08, -30.93, 24.00
CIELCh	45, 39.152, 142.189
Yxy	14.5994, 0.3032, 0.4642
Android (android.graphics.Color)	4282283841 (0xFF3E7741)
YUV	95.8010, -15.1849, -29.6435
Hunter-Lab	38.2092, -22.3097, 15.3935

# Details

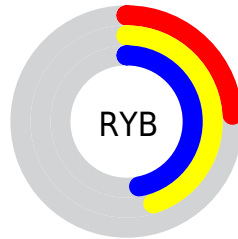
The XYZ color **9.5376, 14.5994, 7.3163** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.4833, 8.6285, 17.5313**, and the grayscale version is **11.1088, 11.6874, 12.7275**.

A 20% lighter version of the original color is **24.5998, 34.2307, 21.2302**, and **2.3790, 4.4631, 1.3979** is the 20% darker color. If you saturate the color by 10%, you get **8.5769, 14.1386, 5.7335**, and if you desaturate by 10%, it is **10.7277, 15.1718, 9.2508**.

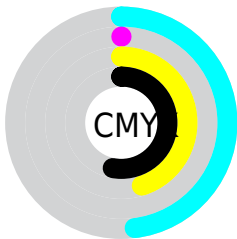
# Distribution



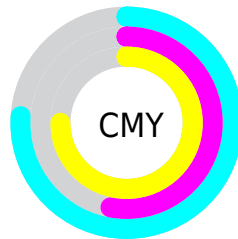
- Red (24%)
- Green (47%)
- Blue (25%)



- Red (24%)
- Yellow (45%)
- Blue (47%)



- Cyan (48%)
- Magenta (0%)
- Yellow (45%)
- Black (53%)



- Cyan (76%)
- Magenta (53%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 9.5376, 14.5994, 7.3163 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 9.5376, 14.5994, 7.3163 by changing the saturation by 10% instead.



9.5376, 14.5994,  
7.3163

9.5376, 14.5994,  
7.3163

181.4627,  
220.9285, 179.9961

5.1534, 8.5387,  
3.5793

24.5797, 34.1489,  
21.1304

2.3732, 4.4416,  
1.3975

35.9683, 48.4064,  
32.0445

0.8317, 1.9235,  
0.1398

50.4224, 66.1651,  
46.1880

0.0000, 0.5624,  
0.0000

68.3073, 87.8092,  
63.9795

0.0000, 0.0000,  
0.0000

89.9885, 113.7233,  
85.8375

115.8312,

144.2915, 112.1806

146.2008,  
179.8985, 143.4273

■ 9.5376, 14.5994,  
7.3163

■ 9.5376, 14.5994,  
7.3163

■ 8.5769, 14.1386,  
5.7335

■ 10.7277, 15.1718,  
9.2508

■ 7.8299, 13.7805,  
4.4805

■ 12.1595, 15.8603,  
11.5554

■ 7.2805, 13.5176,  
3.5342


■ 13.8457, 16.6718,  
14.2484


■ 6.9099, 13.3409,  
2.8683


■ 15.7979, 17.6116,  
17.3464


■ 6.6757, 13.2292,  
2.4495


■ 18.0269, 18.6851,  
20.8652

 6.6314, 13.2079,  
2.3797

 20.5428, 19.8972,  
24.8198

 23.3555, 21.2526,  
29.2243

 26.4740, 22.7558,  
34.0924

 29.9074, 24.4110,  
39.4369

# Harmonies

## Analogous

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



11.6672, 14.5994, 4.4827



9.5376, 14.5994, 7.3163



8.6024, 14.5994, 13.6066

# Triad

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



9.5376, 14.5994, 7.3163



13.0519, 14.5994, 40.7248



20.4339, 14.5994, 10.0966

# Complementary

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



9.5376, 14.5994, 7.3163



12.4833, 8.6285, 17.5313

# 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.



20.9574, 14.5994, 18.4294



9.5376, 14.5994, 7.3163



16.3480, 14.5994, 38.6120

# Square

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



9.5376, 14.5994, 7.3163



10.4166, 14.5994, 34.4199



19.3642, 14.5994, 29.4306



18.0279, 14.5994, 5.6006



# Rectangle

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



9.5376, 14.5994, 7.3163



8.6622, 14.5994, 19.9412



19.3642, 14.5994, 29.4306



20.8494, 14.5994, 12.4390

# Sweetspot

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



9.5380, 14.6000, 7.3166



25.9759, 30.4229, 27.3949



14.6893, 17.2654, 7.1160



6.0131, 7.1411, 6.2651



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256



# Same Dimension

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



9.5380, 14.6000, 7.3166



15.2752, 25.2775, 10.1286



10.5752, 15.0149, 12.7786



3.6477, 4.1010, 3.9788



7.0440, 14.0316, 2.5221



34.2282, 68.3385, 11.7726



# Inverse Universe

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



12.4833, 8.6285, 17.5313



21.2003, 13.2545, 30.6698



11.0778, 8.0663, 10.1302



3.8187, 3.7548, 4.5721



11.2328, 5.4268, 16.9658



54.6379, 26.4053, 82.1453



# Previews

## White Background



This preview shows how the XYZ color 9.5376, 14.5994, 7.3163 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

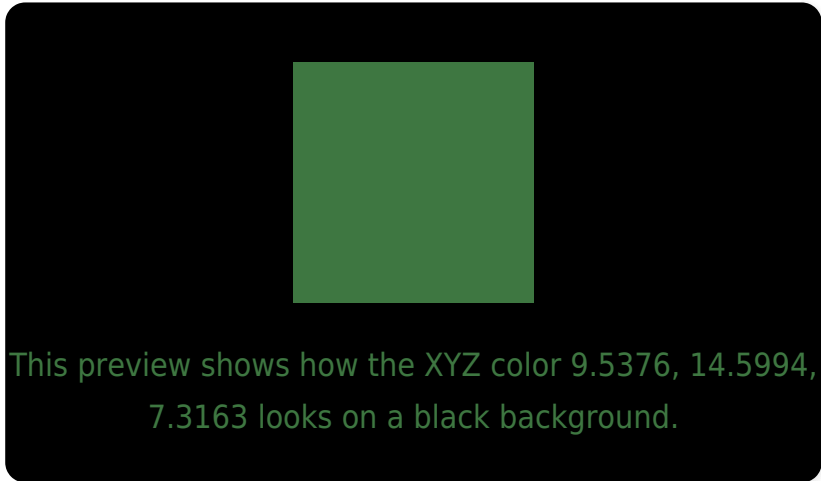
Any Text WCAG AA ✓ Pass

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 9.5376, 14.5994, 7.3163**

## **Background**



This preview shows how black text looks on a background with the XYZ color 9.5376, 14.5994, 7.3163.



This preview shows how white text looks on a background with the XYZ color 9.5376, 14.5994,



# 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

9.5376, 14.5994, 7.3163

### Protanopia

13.3058, 14.4162, 6.3563

### Deuteranopia

14.6299, 14.3262, 7.6244



## Tritanopia

12.2420, 14.6712, 20.5990

# Trichromacy



## Original Color

9.5376, 14.5994, 7.3163

## Protanomaly

11.4837, 14.2581, 6.7043

## Deuteranomaly

12.1149, 14.0855, 7.5491

## Tritanomaly

11.0055, 14.5031, 14.5313

# Monochromacy



## Original Color

9.5376, 14.5994, 7.3163

## Achromatopsia

11.1181, 11.6971, 12.7381

## Achromatomaly

10.2462, 12.4413, 10.4557

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 9.5376, 14.5994, 7.3163 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(62, 119, 65)` looks like.

```
.text, #text, p{  
    color:rgb(62, 119, 65)  
}
```

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(62, 119, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 119, 65) }
```

## Border

The CSS property to change the border of an element to XYZ 9.5376, 14.5994, 7.3163 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(62, 119, 65) }
```



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

```
.border{ border-color:rgb(62, 119, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 119, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 119, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 119, 65);  
box-shadow:4px 4px 4px 4px rgb(62, 119,  
65) }
```

# Background

The CSS property to change the background color of an element to XYZ 9.5376, 14.5994, 7.3163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 119, 65) }
```

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

```
.background{ background-color: rgb(62, 119,  
65) }
```

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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