

Converting Colors

XYZ(9.7999, 14.6716, 9.5630)

Have a look what the booklet for
XYZ(9.7999, 14.6716, 9.5630)
contains.

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Color

**XYZ(9.7756, 14.6735,
9.5248)**

Conversions

Conversions Part 1

Format	Color
Hex	3B774E
RGB	59, 119, 78
RGB Percent	23%, 47%, 31%
CMY	0.7686, 0.5333, 0.6941
CMYK	0.50, 0.00, 0.34, 0.53
HSL	139°, 34%, 35%
HSV	139°, 50%, 47%
XYZ	9.7756, 14.6735, 9.5248
YIQ	96.3860, -22.5990, -25.4710

Conversions

Conversions Part 2

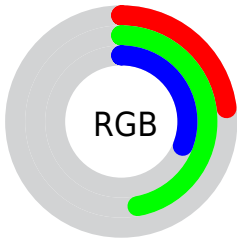
Format	Color
RYB	59, 105, 119
Decimal	3897166
CIELab	45.18, -29.46, 16.71
CIELCh	45, 33.867, 150.442
Yxy	14.6735, 0.2877, 0.4319
Android (android.graphics.Color)	4282087246 (0xFF3B774E)
YUV	96.3860, -9.0643, -32.7875
Hunter-Lab	38.3060, -21.4827, 12.0717

Details

The XYZ color **9.7756, 14.6735, 9.5248** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.4724, 7.9703, 12.9908**, and the grayscale version is **11.2377, 11.8229, 12.8752**.

A 20% lighter version of the original color is **25.0137, 34.3524, 25.3910**, and **2.4772, 4.4966, 2.1762** is the 20% darker color. If you saturate the color by 10%, you get **8.8754, 14.2415, 8.0539**, and if you desaturate by 10%, it is **10.8735, 15.2041, 11.1939**.

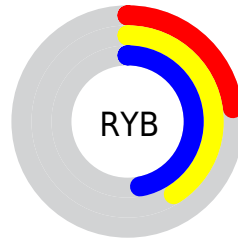
Distribution



Red (23%)

Green (47%)

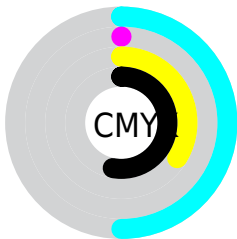
Blue (31%)



Red (23%)

Yellow (41%)

Blue (47%)

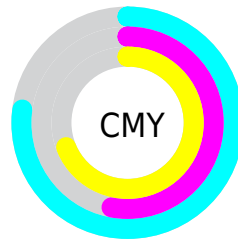


Cyan (50%)

Magenta (0%)

Yellow (34%)

Black (53%)



Cyan (77%)

Magenta (53%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.7756, 14.6735, 9.5248 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 9.7756, 14.6735, 9.5248 by changing the saturation by 10% instead.

■ 9.7756, 14.6735,
9.5248

■ 9.7756, 14.6735,
9.5248

183.1502,
221.3814, 197.6060

■ 5.3115, 8.5906,
4.9836

■ 25.0261, 34.2794,
25.4915

■ 2.4678, 4.4751,
2.1791

■ 36.5432, 48.5711,
37.7540

■ 0.8791, 1.9427,
0.6622

■ 51.1421, 66.3679,
53.4274

■ 0.0000, 0.5739,
0.0000

■ 69.1881, 88.0541,
72.9302

■ 0.0000, 0.0000,
0.0000

■ 91.0466, 114.0142,
96.6809

■ 117.0828,

144.6325, 125.0981

147.6623,
180.2934, 158.6003

■ 9.7756, 14.6735,
9.5248

■ 9.7756, 14.6735,
9.5248

■ 8.8754, 14.2415,
8.0539

■ 10.8735, 15.2041,
11.1939

■ 8.1594, 13.9000,
6.7727

■ 12.1792, 15.8371,
13.0671

■ 7.6140, 13.6426,
5.6737

■ 13.7035, 16.5783,
15.1515

■ 7.2233, 13.4612,
4.7483

■ 15.4561, 17.4327,
17.4534

■ 6.9419, 13.3321,
4.0146

■ 17.4461, 18.4048,
19.9790

■ 19.6821, 19.4988,
22.7341

■ 22.1722, 20.7189,
25.7242

■ 24.9243, 22.0690,
28.9549

■ 27.9458, 23.5528,
32.4314

Harmonies

Analogous

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



11.3977, 14.6735, 6.0436



9.7756, 14.6735, 9.5248



9.2343, 14.6735, 16.0960

Triad

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



9.7756, 14.6735, 9.5248



13.9882, 14.6735, 36.8329



19.1108, 14.6735, 9.3798

Complementary

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



9.7756, 14.6735, 9.5248



11.4724, 7.9703, 12.9908

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.



20.0391, 14.6735, 15.8585



9.7756, 14.6735, 9.5248



16.8500, 14.6735, 33.2542

Square

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



9.7756, 14.6735, 9.5248



11.4606, 14.6735, 33.4483



19.1620, 14.6735, 24.8334



16.7687, 14.6735, 5.9817

Rectangle

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



9.7756, 14.6735, 9.5248



9.4936, 14.6735, 21.9765



19.1620, 14.6735, 24.8334



19.6115, 14.6735, 11.1826

Sweetspot

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



9.7760, 14.6741, 9.5251



26.0675, 30.4311, 29.1588



12.6423, 16.2194, 6.6021



6.0521, 7.1506, 6.7448



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.



9.7760, 14.6741, 9.5251



15.5929, 25.3580, 13.9052



11.1077, 15.2068, 16.5377



3.6840, 4.1156, 4.1698



7.3710, 14.1624, 4.2438



35.5708, 68.8756, 18.8425

Inverse Universe

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



11.4724, 7.9703, 12.9908



19.0081, 11.8184, 20.8502



10.2776, 7.4923, 6.6990



3.7796, 3.7391, 4.3664



9.6690, 4.8013, 8.7309



46.7168, 23.2368, 40.4335

Previews

White Background



This preview shows how the XYZ color 9.7756, 14.6735, 9.5248 looks on a white background.

Color Contrast Check

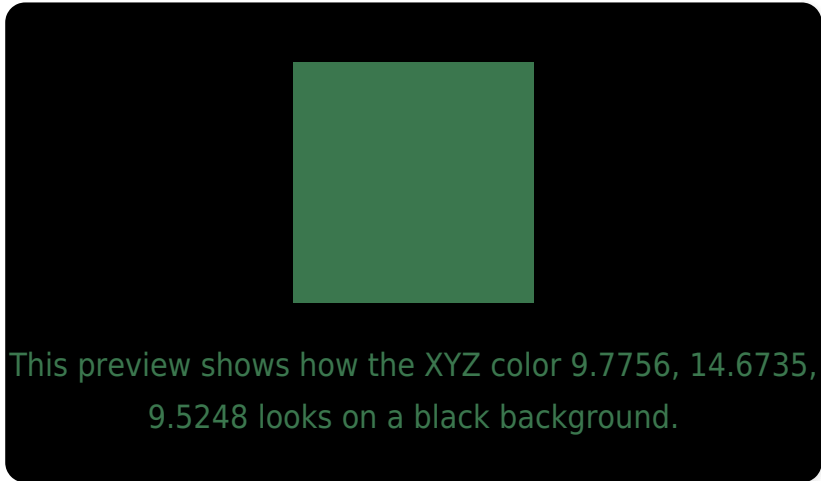
Large Text (above 18pt) WCAG AA ✓ Pass

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

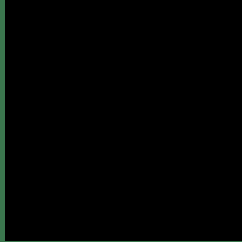
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.7756, 14.6735, 9.5248

Background



This preview shows how black text looks on a background with the XYZ color 9.7756, 14.6735, 9.5248.



This preview shows how white text looks on a background with the XYZ color 9.7756, 14.6735,

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

9.7756, 14.6735, 9.5248

Protanopia

13.4269, 14.4339, 8.3817

Deuteranopia

14.7318, 14.4719, 9.9996



Tritanopia

12.0061, 14.5424, 20.9131

Trichromacy



Original Color

9.7756, 14.6735, 9.5248

Protanomaly

11.6738, 14.3098, 8.8034

Deuteranomaly

12.2146, 14.0859, 9.8597

Tritanomaly

11.0313, 14.4813, 16.1237

Monochromacy



Original Color

9.7756, 14.6735, 9.5248

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.3208, 12.4609, 11.3124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7756, 14.6735, 9.5248 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(59, 119, 78)` looks like.

```
.text, #text, p{  
    color:rgb(59, 119, 78)  
}
```

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(59, 119, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 119, 78) }
```

Border

The CSS property to change the border of an element to XYZ 9.7756, 14.6735, 9.5248 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(59, 119, 78) }
```


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

```
.border{ border-color:rgb(59, 119, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 119, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 119, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 119, 78);  
box-shadow:4px 4px 4px 4px rgb(59, 119,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 9.7756, 14.6735, 9.5248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 119, 78) }
```

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

```
.background{ background-color: rgb(59, 119,  
78) }
```

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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