

Converting Colors

XYZ(10.8166, 14.3984, 9.8059)

Have a look what the booklet for
XYZ(10.8166, 14.3984, 9.8059)
contains.

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Color

**XYZ(10.7735, 14.3193,
9.7855)**

Conversions

Conversions Part 1

Format	Color
Hex	507250
RGB	80, 114, 80
RGB Percent	31%, 45%, 31%
CMY	0.6863, 0.5529, 0.6863
CMYK	0.30, 0.00, 0.30, 0.55
HSL	120°, 18%, 38%
HSV	120°, 30%, 45%
XYZ	10.7735, 14.3193, 9.7855
YIQ	99.9580, -9.3500, -17.7820

Conversions

Conversions Part 2

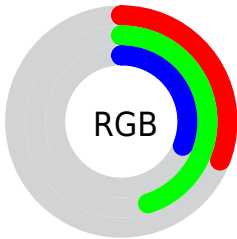
Format	Color
R_{YB}	80, 114, 114
Decimal	5272144
CIE _{Lab}	44.69, -19.61, 15.05
CIE _{LCh}	45, 24.715, 142.492
Yxy	14.3193, 0.3089, 0.4106
Android (android.graphics.Color)	4283462224 (0xFF507250)
YUV	99.9580, -9.8393, -17.5032
Hunter-Lab	37.8409, -15.4015, 11.1564

Details

The XYZ color **10.7735, 14.3193, 9.7855** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.8458, 10.5298, 17.2754**, and the grayscale version is **12.1287, 12.7603, 13.8960**.

A 20% lighter version of the original color is **26.8046, 33.6032, 25.8422**, and **2.8788, 4.3411, 2.2763** is the 20% darker color. If you saturate the color by 10%, you get **9.5054, 13.7106, 7.7110**, and if you desaturate by 10%, it is **12.2772, 15.0420, 12.2448**.

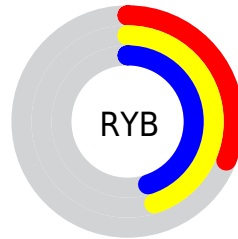
Distribution



Red (31%)

Green (45%)

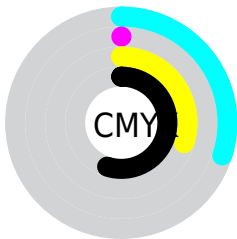
Blue (31%)



Red (31%)

Yellow (45%)

Blue (45%)

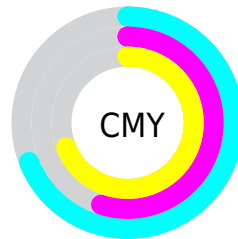


Cyan (30%)

Magenta (0%)

Yellow (30%)

Black (55%)



Cyan (69%)


Magenta (55%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.7735, 14.3193, 9.7855 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 10.7735, 14.3193, 9.7855 by changing the saturation by 10% instead.


 10.7735, 14.3193,
9.7855


 10.7735, 14.3193,
9.7855

190.0475,
219.2083, 199.5631


 5.9809, 8.3431,
5.1532


 26.8772, 33.6545,
25.9927


 2.8740, 4.3153,
2.2771

 38.9191, 47.7823,
38.4048


 1.0875, 1.8514,
0.7184

 54.1081, 65.3960,
54.2472

 0.0146, 0.5189,
0.0000

 72.8096, 86.8802,
73.9384

 0.0000, 0.0000,
0.0000

 95.3889, 112.6191,
97.8971

122.2114,

142.9971, 126.5418

153.6425,
178.3987, 160.2909

■ 10.7735, 14.3193,
9.7855

■ 10.7735, 14.3193,
9.7855

■ 9.5054, 13.7106,
7.7110

■ 12.2772, 15.0420,
12.2448

■ 8.4599, 13.2084,
6.0009

■ 14.0264, 15.8823,
15.1059

■ 7.6245, 12.8071,
4.6345

■ 16.0319, 16.8456,
18.3861

■ 6.9851, 12.5000,
3.5885

■ 18.3032, 17.9366,
22.1011

■ 6.5256, 12.2793,
2.8369

■ 20.8497, 19.1598,
26.2663

■ 6.2276, 12.1361,
2.3495

■ 23.6801, 20.5194,
30.8958

■ 6.0212, 12.0370,
2.0118

■ 26.8028, 22.0195,
36.0034

■ 6.0176, 12.0353,
2.0060

■ 30.2259, 23.6637,
41.6023

■ 33.9571, 25.4560,
47.7051

Harmonies

Analogous

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



12.1870, 14.3193, 7.4492



10.7735, 14.3193, 9.7855



10.1325, 14.3193, 14.1919

Triad

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



10.7735, 14.3193, 9.7855



13.1122, 14.3193, 29.3100



17.4945, 14.3193, 11.7351

Complementary

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



10.7735, 14.3193, 9.7855



12.8458, 10.5298, 17.2754

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.



17.8041, 14.3193, 17.0798



10.7735, 14.3193, 9.7855



15.1398, 14.3193, 28.1887

Square

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



10.7735, 14.3193, 9.7855



11.3938, 14.3193, 26.1002



16.9053, 14.3193, 23.3319



16.0966, 14.3193, 8.3667

Rectangle

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



10.7735, 14.3193, 9.7855



10.1805, 14.3193, 18.1053



16.9053, 14.3193, 23.3319



17.7345, 14.3193, 13.3215

Sweetspot

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



10.7739, 14.3199, 9.7858



24.8442, 28.0030, 26.8661



14.4054, 16.1920, 9.9555



5.6577, 6.4339, 6.0695



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.



10.7739, 14.3199, 9.7858



17.3079, 24.3830, 14.5394



11.4836, 14.6038, 13.5231



3.3451, 3.7632, 3.6234



6.6985, 13.3969, 2.2330



33.3680, 66.7358, 11.1229

Inverse Universe

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



12.8458, 10.5298, 17.2754



21.5932, 16.5440, 30.0298



11.9661, 10.1780, 12.6434



3.5144, 3.4535, 4.2355



11.1057, 5.3347, 18.1644



55.3223, 26.5742, 90.4842

Previews

White Background



This preview shows how the XYZ color 10.7735, 14.3193, 9.7855 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 10.7735, 14.3193, 9.7855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

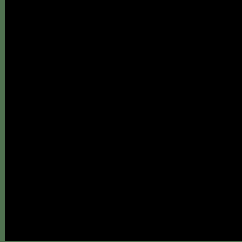
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.7735, 14.3193, 9.7855

Background



This preview shows how black text looks on a background with the XYZ color 10.7735, 14.3193, 9.7855.



This preview shows how white text looks on a background with the XYZ color 10.7735, 14.3193,

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

10.7735, 14.3193, 9.7855

Protanopia

13.1661, 14.1357, 8.8720

Deuteranopia

14.3834, 14.1428, 10.1554



Tritanopia

12.6691, 14.2715, 19.2265

Trichromacy



Original Color

10.7735, 14.3193, 9.7855

Protanomaly

12.0689, 14.0276, 9.0927

Deuteranomaly

12.7404, 14.0431, 10.0217

Tritanomaly

11.8393, 14.2532, 15.2238

Monochromacy



Original Color

10.7735, 14.3193, 9.7855

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.5416, 13.2206, 12.2995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7735, 14.3193, 9.7855 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(80, 114, 80)` looks like.

```
.text, #text, p{  
    color:rgb(80, 114, 80)  
}
```

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(80, 114, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 114, 80) }
```

Border

The CSS property to change the border of an element to XYZ 10.7735, 14.3193, 9.7855 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(80, 114, 80) }
```


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

```
.border{ border-color:rgb(80, 114, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 114, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 114, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 114, 80);  
box-shadow:4px 4px 4px 4px rgb(80, 114,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7735, 14.3193, 9.7855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 114, 80) }
```

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

```
.background{ background-color: rgb(80, 114,  
80) }
```

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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