

Converting Colors

XYZ(10.8009, 15.0387, 10.7426)

Have a look what the booklet for
XYZ(10.8009, 15.0387, 10.7426)
contains.

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Color

**XYZ(10.7512, 14.9747,
10.7113)**

Conversions

Conversions Part 1

Format	Color
Hex	487654
RGB	72, 118, 84
RGB Percent	28%, 46%, 33%
CMY	0.7176, 0.5372, 0.6706
CMYK	0.39, 0.00, 0.29, 0.54
HSL	136°, 24%, 37%
HSV	136°, 39%, 46%
XYZ	10.7512, 14.9747, 10.7113
YIQ	100.3700, -16.5020, -20.3260

Conversions

Conversions Part 2

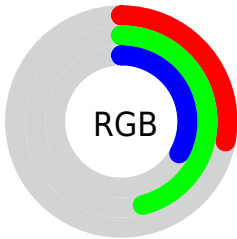
Format	Color
R_{YB}	72, 108, 118
Decimal	4748884
CIE _{Lab}	45.60, -23.70, 13.88
CIE _{LCh}	46, 27.469, 149.649
Yxy	14.9747, 0.2951, 0.4110
Android (android.graphics.Color)	4282938964 (0xFF487654)
YUV	100.3700, -8.0704, -24.8805
Hunter-Lab	38.6972, -18.1275, 10.6767

Details

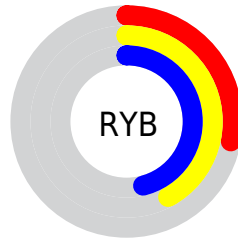
The XYZ color **10.7512, 14.9747, 10.7113** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.3906, 9.5273, 14.8222**, and the grayscale version is **12.2311, 12.8680, 14.0133**.

A 20% lighter version of the original color is **26.7038, 34.6083, 27.8269**, and **2.8477, 4.5849, 2.6543** is the 20% darker color. If you saturate the color by 10%, you get **9.6340, 14.4362, 8.9856**, and if you desaturate by 10%, it is **12.0807, 15.6185, 12.6697**.

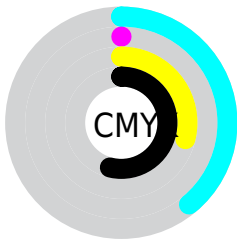
Distribution



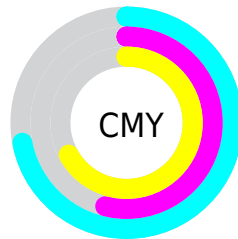
- Red (28%)
- Green (46%)
- Blue (33%)



- Red (28%)
- Yellow (42%)
- Blue (46%)



- Cyan (39%)
- Magenta (0%)
- Yellow (29%)
- Black (54%)



- Cyan (72%)
- Magenta (54%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7512, 14.9747, 10.7113 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 10.7512, 14.9747, 10.7113 by changing the saturation by 10% instead.

■ 10.7512, 14.9747,
10.7113

■ 10.7512, 14.9747,
10.7113

189.8963,
223.2130, 206.3419

■ 5.9658, 8.8016,
5.7613

■ 26.8362, 34.8088,
27.7535

■ 2.8648, 4.6120,
2.6341

■ 38.8666, 49.2386,
40.6828

■ 1.0827, 2.0215,
0.9100

■ 54.0427, 67.1894,
57.1090

■ 0.0105, 0.6199,
0.0000

■ 72.7298, 89.0457,
77.4506

■ 0.0000, 0.0000,
0.0000

■ 95.2934, 115.1918,
102.1262

122.0988,

146.0122, 131.5542

153.5113,
181.8911, 166.1532

■ 10.7512, 14.9747,
10.7113

■ 10.7512, 14.9747,
10.7113

■ 9.6340, 14.4362,
8.9856

■ 12.0807, 15.6185,
12.6697

■ 8.7165, 13.9956,
7.4828

■ 13.6317, 16.3710,
14.8681

■ 7.9870, 13.6472,
6.1943

■ 15.4142, 17.2377,
17.3144

■ 7.4315, 13.3843,
5.1100

■ 17.4374, 18.2230,
20.0163

■ 7.0344, 13.1989,
4.2194

■ 19.7099, 19.3312,
22.9807

■ 6.7500, 13.0677,
3.5096

■ 22.2400, 20.5666,
26.2145

■ 6.7232, 13.0552,
3.4469

■ 25.0353, 21.9328,
29.7244

■ 28.1035, 23.4338,
33.5167

■ 31.4516, 25.0729,
37.5975

Harmonies

Analogous

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



12.1577, 14.9747, 7.5963



10.7512, 14.9747, 10.7113



10.2569, 14.9747, 16.2274

Triad

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



10.7512, 14.9747, 10.7113



14.2059, 14.9747, 32.5099



18.4276, 14.9747, 10.8132

Complementary

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



10.7512, 14.9747, 10.7113



12.3906, 9.5273, 14.8222

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.



19.1231, 14.9747, 16.3826



10.7512, 14.9747, 10.7113



16.5320, 14.9747, 29.9563

Square

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



10.7512, 14.9747, 10.7113



12.1155, 14.9747, 29.8401



18.3954, 14.9747, 23.5694



16.5839, 14.9747, 7.6430

Rectangle

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



10.7512, 14.9747, 10.7113



10.4650, 14.9747, 20.9396



18.3954, 14.9747, 23.5694



18.8117, 14.9747, 12.4101

Sweetspot

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



10.7516, 14.9753, 10.7116



26.0167, 29.7802, 28.9679



13.6522, 16.5204, 8.6003



5.9130, 6.8135, 6.5662



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.



10.7516, 14.9753, 10.7116



17.0852, 25.4529, 16.0306



11.7790, 15.3863, 16.1220



3.6762, 4.1125, 4.1290



7.2685, 14.1214, 3.7041



35.1142, 68.6929, 16.4382

Inverse Universe

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



12.3906, 9.5273, 14.8222



20.4059, 14.3985, 24.3463



11.3698, 9.1189, 9.4464



3.7878, 3.7424, 4.4093



9.9484, 4.9131, 10.2022



48.1149, 23.7961, 47.7960

Previews

White Background



This preview shows how the XYZ color 10.7512, 14.9747, 10.7113 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 10.7512, 14.9747, 10.7113 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 10.7512, 14.9747, 10.7113

Background



This preview shows how black text looks on a background with the XYZ color 10.7512, 14.9747, 10.7113.

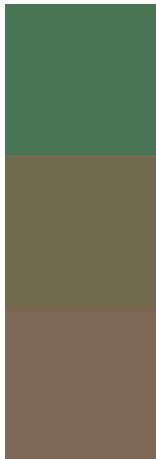


This preview shows how white text looks on a background with the XYZ color 10.7512, 14.9747,

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

10.7512, 14.9747, 10.7113

Protanopia

13.7392, 14.7247, 9.5152

Deuteranopia

15.0280, 14.7486, 11.0715



Tritanopia

12.7262, 14.9209, 20.6216

Trichromacy



Original Color

10.7512, 14.9747, 10.7113

Protanomaly

12.3152, 14.6156, 9.9566

Deuteranomaly

12.9861, 14.4612, 10.9109

Tritanomaly

11.8981, 14.9220, 16.4405

Monochromacy



Original Color

10.7512, 14.9747, 10.7113

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.4945, 13.4972, 12.5891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7512, 14.9747, 10.7113 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(72, 118, 84)` looks like.

```
.text, #text, p{  
    color:rgb(72, 118, 84)  
}
```

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(72, 118, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 118, 84) }
```

Border

The CSS property to change the border of an element to XYZ 10.7512, 14.9747, 10.7113 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(72, 118, 84) }
```


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

```
.border{ border-color:rgb(72, 118, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 118, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 118, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 118, 84);  
box-shadow:4px 4px 4px 4px rgb(72, 118,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7512, 14.9747, 10.7113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 118, 84) }
```

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

```
.background{ background-color: rgb(72, 118,  
84) }
```

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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