

Converting Colors

XYZ(9.9797, 13.6645, 11.8067)

Have a look what the booklet for
XYZ(9.9797, 13.6645, 11.8067)
contains.

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Color

**XYZ(9.9974, 13.7067,
11.7916)**

Conversions

Conversions Part 1

Format	Color
Hex	42715A
RGB	66, 113, 90
RGB Percent	26%, 44%, 35%
CMY	0.7412, 0.5569, 0.6471
CMYK	0.42, 0.00, 0.20, 0.56
HSL	151°, 26%, 35%
HSV	151°, 42%, 44%
XYZ	9.9974, 13.7067, 11.7916
YIQ	96.3250, -20.6290, -17.1170

Conversions

Conversions Part 2

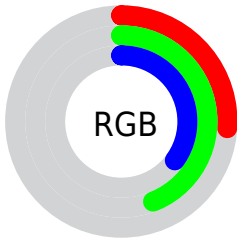
Format	Color
RYB	66, 97, 113
Decimal	4354394
CIELab	43.81, -21.78, 7.79
CIElCh	44, 23.128, 160.320
Yxy	13.7067, 0.2817, 0.3862
Android (android.graphics.Color)	4282544474 (0xFF42715A)
YUV	96.3250, -3.1182, -26.5950
Hunter-Lab	37.0226, -16.5882, 7.0321

Details

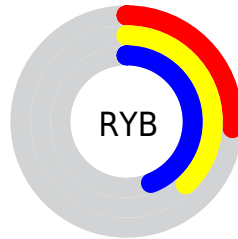
The XYZ color **9.9974, 13.7067, 11.7916** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.5620, 8.1288, 10.4642**, and the grayscale version is **11.2085, 11.7922, 12.8417**.

A 20% lighter version of the original color is **25.3912, 32.5167, 29.7490**, and **2.5761, 4.0816, 3.0349** is the 20% darker color. If you saturate the color by 10%, you get **9.0834, 13.2621, 10.5656**, and if you desaturate by 10%, it is **11.0802, 14.2370, 13.1175**.

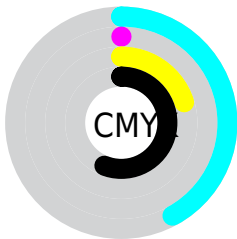
Distribution



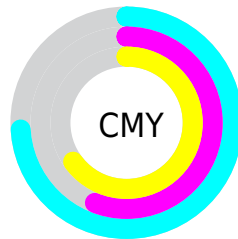
- Red (26%)
- Green (44%)
- Blue (35%)



- Red (26%)
- Yellow (38%)
- Blue (44%)



- Cyan (42%)
- Magenta (0%)
- Yellow (20%)
- Black (56%)



- Cyan (74%)
- Magenta (56%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9974, 13.7067, 11.7916 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 9.9974, 13.7067, 11.7916 by changing the saturation by 10% instead.

■ 9.9974, 13.7067,
11.7916

■ 9.9974, 13.7067,
11.7916

184.7075,
215.3985, 213.9494

■ 5.4595, 7.9170,
6.4811

■ 25.4403, 32.5677,
29.7737

■ 2.5568, 4.0419,
3.0663

■ 37.0761, 46.4077,
43.2823

■ 0.9240, 1.6970,
1.1286

■ 51.8084, 63.7000,
60.3608

■ 0.0000, 0.4217,
0.0000

■ 70.0028, 84.8289,
81.4277

■ 0.0000, 0.0000,
0.0000

■ 92.0246, 110.1788,
106.9014

118.2390,

140.1341, 137.2006

149.0116,
175.0792, 172.7438

■ 9.9974, 13.7067,
11.7916

■ 9.9974, 13.7067,
11.7916

■ 9.0834, 13.2621,
10.5656

■ 11.0802, 14.2370,
13.1175

■ 8.3277, 12.8967,
9.4362

■ 12.3391, 14.8558,
14.5448

■ 7.7204, 12.6059,
8.4012

■ 13.7825, 15.5675,
16.0759

■ 7.2502, 12.3839,
7.4579

■ 15.4179, 16.3760,
17.7130

■ 6.9034, 12.2237,
6.6035

■ 17.2522, 17.2849,
19.4583

■ 6.6615, 12.1132,
5.9502

■ 19.2921, 18.2975,
21.3136

■ 21.5440, 19.4172,
23.2811

■ 24.0139, 20.6470,
25.3625

■ 26.7077, 21.9898,
27.5598

Harmonies

Analogous

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



10.8882, 13.7067, 8.5027



9.9974, 13.7067, 11.7916



9.8738, 13.7067, 16.7964

Triad

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



9.9974, 13.7067, 11.7916



13.6661, 13.7067, 27.1436



15.8881, 13.7067, 9.3241

Complementary

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



9.9974, 13.7067, 11.7916



10.5620, 8.1288, 10.4642

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.



16.7907, 13.7067, 13.1966



9.9974, 13.7067, 11.7916



15.4308, 13.7067, 23.9642

Square

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



9.9974, 13.7067, 11.7916



11.8823, 13.7067, 26.5166



16.6160, 13.7067, 18.5678



14.2446, 13.7067, 7.3254

Rectangle

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



9.9974, 13.7067, 11.7916



10.2295, 13.7067, 20.5892



16.6160, 13.7067, 18.5678



16.2949, 13.7067, 10.4073

Sweetspot

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



9.9978, 13.7073, 11.7919



24.4794, 27.7767, 28.5795



11.0570, 14.3529, 7.3422



5.6042, 6.3956, 6.5504



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.



9.9978, 13.7073, 11.7919



16.3029, 23.7657, 18.9727



11.1330, 14.1614, 17.7701



3.4095, 3.7890, 3.9627



7.5461, 13.7359, 6.6964



37.1532, 68.2499, 31.0560

Inverse Universe

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



10.5620, 8.1288, 10.4642



17.4622, 12.3063, 16.2468



9.7421, 7.8009, 6.1468



3.4462, 3.4262, 3.8763



8.5054, 4.2945, 4.4712



41.9355, 21.2195, 19.9905

Previews

White Background



This preview shows how the XYZ color 9.9974, 13.7067, 11.7916 looks on a white background.

Color Contrast Check

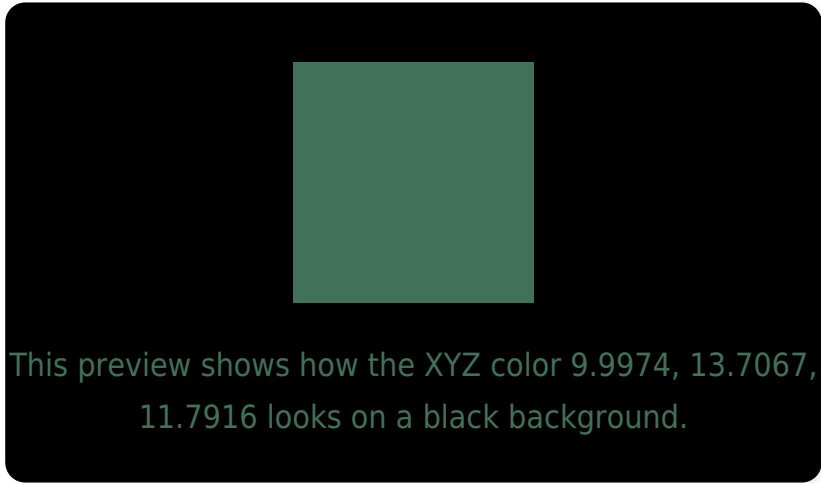
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.9974, 13.7067, 11.7916

Background



This preview shows how black text looks on a background with the XYZ color 9.9974, 13.7067, 11.7916.



This preview shows how white text looks on a background with the XYZ color 9.9974, 13.7067,

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

9.9974, 13.7067, 11.7916

Protanopia

12.7966, 13.6076, 10.5464

Deuteranopia

13.7737, 13.4959, 12.2349



Tritanopia

11.4863, 13.6618, 19.1711

Trichromacy



Original Color

9.9974, 13.7067, 11.7916

Protanomaly

11.4922, 13.5307, 11.0228

Deuteranomaly

11.9191, 13.2700, 12.0584

Tritanomaly

10.8085, 13.5367, 16.2305

Monochromacy



Original Color

9.9974, 13.7067, 11.7916

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.5181, 12.2422, 12.3983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9974, 13.7067, 11.7916 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(66, 113, 90) looks like.

```
.text, #text, p{  
    color:rgb(66, 113, 90)  
}
```

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(66, 113, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 113, 90) }
```

Border

The CSS property to change the border of an element to XYZ 9.9974, 13.7067, 11.7916 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(66, 113, 90) }
```


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

```
.border{ border-color:rgb(66, 113, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 113, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 113, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 113, 90);  
box-shadow:4px 4px 4px 4px rgb(66, 113,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9974, 13.7067, 11.7916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 113, 90) }
```

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

```
.background{ background-color: rgb(66, 113,  
90) }
```

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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