

Converting Colors

XYZ(11.0403, 12.8029, 15.8435)

Have a look what the booklet for
XYZ(11.0403, 12.8029, 15.8435)
contains.

XYZ(10.9975, 12.7115, 15.7839)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.9975, 12.7115,
15.7839)**

Conversions

Conversions Part 1

Format	Color
Hex	51686B
RGB	81, 104, 107
RGB Percent	32%, 41%, 42%
CMY	0.6823, 0.5921, 0.5804
CMYK	0.24, 0.03, 0.00, 0.58
HSL	187°, 14%, 37%
HSV	187°, 24%, 42%
XYZ	10.9975, 12.7115, 15.7839
YIQ	97.4650, -14.6710, -3.9430

Conversions

Conversions Part 2

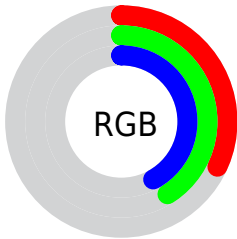
Format	Color
R_{YB}	81, 93, 107
Decimal	5335147
CIE _{Lab}	42.33, -7.76, -4.50
CIE _{LCh}	42, 8.970, 210.124
Yxy	12.7115, 0.2785, 0.3219
Android (android.graphics.Color)	4283525227 (0xFF51686B)
YUV	97.4650, 4.7008, -14.4398
Hunter-Lab	35.6532, -7.3334, -1.2908

Details

The XYZ color **10.9975, 12.7115, 15.7839** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.7191, 10.0606, 9.1618**, and the grayscale version is **11.4685, 12.0657, 13.1396**.

A 20% lighter version of the original color is **27.2530, 30.7366, 36.8441**, and **2.9719, 3.6098, 4.8151** is the 20% darker color. If you saturate the color by 10%, you get **10.0287, 12.0293, 15.7035**, and if you desaturate by 10%, it is **12.1134, 13.4729, 15.8723**.

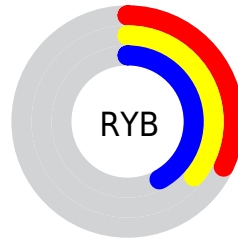
Distribution



Red (32%)

Green (41%)

Blue (42%)



Red (32%)

Yellow (36%)

Blue (42%)

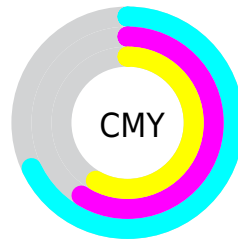


Cyan (24%)

Magenta (3%)

Yellow (0%)

Black (58%)



Cyan (68%)

Magenta (59%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9975, 12.7115, 15.7839 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 10.9975, 12.7115, 15.7839 by changing the saturation by 10% instead.

■ 10.9975, 12.7115,
15.7839

■ 10.9975, 12.7115,
15.7839

191.5590,
209.0603, 239.8652

■ 6.1324, 7.2302,
9.2187

■ 27.2885, 30.7845,
36.9842

■ 2.9672, 3.6065,
4.7853

■ 39.4452, 44.1450,
52.4563

■ 1.1364, 1.4560,
2.0653

■ 54.7632, 60.9006,
71.7345

■ 0.0553, 0.2574,
0.5950

■ 73.6077, 81.4359,
95.2373

■ 0.0000, 0.0000,
0.0000

■ 96.3442, 106.1350,
123.3832

123.3380,

135.3826, 156.5908

154.9545,
169.5629, 195.2786

■ 10.9975, 12.7115,
15.7839

■ 10.9975, 12.7115,
15.7839

■ 10.0287, 12.0293,
15.7035

■ 12.1134, 13.4729,
15.8723

■ 9.1991, 11.4212,
15.6299

■ 13.3816, 14.3151,
15.9680

■ 8.5017, 10.8840,
15.5629

■ 14.8085, 15.2419,
16.0717

■ 7.9287, 10.4136,
15.5023

■ 16.3995, 16.2561,
16.1836

■ 7.4712, 10.0053,
15.4476

■ 18.1602, 17.3604,
16.3039

7.1191, 9.6541,
15.3984

20.0955, 18.5575,
16.4330

6.8553, 9.3510,
15.3538

22.2104, 19.8500,
16.5710

6.7155, 9.1848,
15.3291

24.5095, 21.2402,
16.7182

26.9974, 22.7306,
16.8747

Harmonies

Analogous

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



10.8343, 12.7115, 13.8487



10.9975, 12.7115, 15.7839



11.4491, 12.7115, 17.3070

Triad

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



10.9975, 12.7115, 15.7839



13.2383, 12.7115, 15.7688



12.0791, 12.7115, 10.4575

Complementary

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



10.9975, 12.7115, 15.7839



10.7191, 10.0606, 9.1618

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.



12.7376, 12.7115, 10.8712



10.9975, 12.7115, 15.7839



13.4218, 12.7115, 13.8327

Square

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



10.9975, 12.7115, 15.7839



12.7426, 12.7115, 17.2977



13.2353, 12.7115, 12.0638



11.4444, 12.7115, 10.8780

Rectangle

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



10.9975, 12.7115, 15.7839



11.8614, 12.7115, 17.8195



13.2353, 12.7115, 12.0638



12.3051, 12.7115, 10.5031

Sweetspot

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



10.9979, 12.7120, 15.7842



23.2742, 25.1803, 28.5413



10.2359, 12.8988, 10.2561



5.6128, 6.0812, 6.9067



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



10.9979, 12.7120, 15.7842



18.7032, 22.0705, 28.1820



9.8228, 10.3619, 15.3925



3.1535, 3.4353, 3.9317



8.1559, 11.1460, 18.6438



41.1519, 55.9824, 94.8630

Inverse Universe

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



11.5048, 10.0104, 14.4231



19.7868, 16.3958, 25.2504



11.7867, 12.1958, 9.5176



3.2033, 3.1582, 3.8008



9.8636, 4.7976, 13.4420



50.0544, 24.3637, 67.4143

Previews

White Background



This preview shows how the XYZ color 10.9975, 12.7115, 15.7839 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 10.9975, 12.7115, 15.7839 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

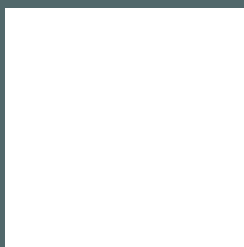
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.9975, 12.7115, 15.7839

Background



This preview shows how black text looks on a background with the XYZ color 10.9975, 12.7115, 15.7839.



This preview shows how white text looks on a background with the XYZ color 10.9975, 12.7115,

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

10.9975, 12.7115, 15.7839

Protanopia

12.2161, 12.6325, 14.8912

Deuteranopia

12.8072, 12.6354, 15.9512



Tritanopia

11.2546, 12.6642, 17.1805

Trichromacy



Original Color

10.9975, 12.7115, 15.7839

Protanomaly

11.7177, 12.6544, 15.1896

Deuteranomaly

12.0878, 12.6838, 15.9985

Tritanomaly

11.1444, 12.6201, 16.6004

Monochromacy



Original Color

10.9975, 12.7115, 15.7839

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.2205, 12.2781, 14.0904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9975, 12.7115, 15.7839 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(81, 104, 107) looks like.

```
.text, #text, p{  
    color:rgb(81, 104, 107)  
}
```

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(81, 104, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 104, 107) }
```

Border

The CSS property to change the border of an element to XYZ 10.9975, 12.7115, 15.7839 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(81, 104, 107) }
```


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

```
.border{ border-color:rgb(81, 104, 107) }
```

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

Here you see how a box with a 4 pixel rgb(81, 104, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 104, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 104, 107);  
box-shadow:4px 4px 4px 4px rgb(81, 104,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 10.9975, 12.7115, 15.7839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 104, 107) }
```

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

```
.background{ background-color: rgb(81, 104,  
107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor