

Converting Colors

XYZ(12.9382, 14.4632, 14.9343)

Have a look what the booklet for
XYZ(12.9382, 14.4632, 14.9343)
contains.

XYZ(12.9538, 14.5132, 14.9506)	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(12.9538, 14.5132,
14.9506)**

Conversions

Conversions Part 1

Format	Color
Hex	626D67
RGB	98, 109, 103
RGB Percent	38%, 43%, 40%
CMY	0.6157, 0.5725, 0.5961
CMYK	0.10, 0.00, 0.06, 0.57
HSL	147°, 5%, 41%
HSV	147°, 10%, 43%
XYZ	12.9538, 14.5132, 14.9506
YIQ	105.0270, -4.6300, -4.1980

Conversions

Conversions Part 2

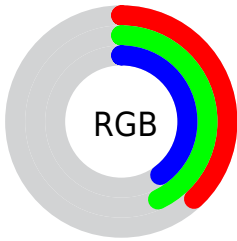
Format	Color
R _Y B	98, 106, 109
Decimal	6450535
CIE Lab	44.96, -5.45, 1.92
CIE LCh	45, 5.779, 160.558
Yxy	14.5132, 0.3054, 0.3422
Android (android.graphics.Color)	4284640615 (0xFF626D67)
YUV	105.0270, -0.9993, -6.1627
Hunter-Lab	38.0962, -5.9732, 3.3994

Details

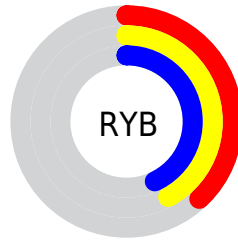
The XYZ color **12.9538, 14.5132, 14.9506** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1735, 12.9864, 14.9096**, and the grayscale version is **13.4384, 14.1382, 15.3965**.

A 20% lighter version of the original color is **30.7980, 33.8643, 35.4851**, and **3.8526, 4.4608, 4.3994** is the 20% darker color. If you saturate the color by 10%, you get **11.5690, 13.8330, 13.3830**, and if you desaturate by 10%, it is **14.5209, 15.2857, 16.6382**.

Distribution



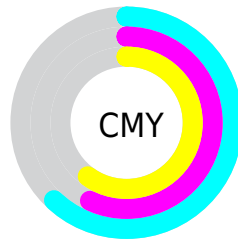
- Red (38%)
- Green (43%)
- Blue (40%)



- Red (38%)
- Yellow (42%)
- Blue (43%)



- Cyan (10%)
- Magenta (0%)
- Yellow (6%)
- Black (57%)



- Cyan (62%)
- Magenta (57%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9538, 14.5132, 14.9506 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 12.9538, 14.5132, 14.9506 by changing the saturation by 10% instead.

■ 12.9538, 14.5132,
14.9506

■ 12.9538, 14.5132,
14.9506

204.2650,
220.4005, 234.6975

■ 7.4735, 8.4785,
8.6385

■ 30.8228, 33.9969,
35.5076

■ 3.8089, 4.4026,
4.4126

■ 43.9422, 48.2146,
50.5895

■ 1.5946, 1.9012,
1.8543

■ 60.3387, 65.9288,
69.4318

■ 0.3889, 0.5491,
0.4634

■ 80.3776, 87.5239,
92.4530

■ 0.0000, 0.0000,
0.0000

104.4244,
113.3842, 120.0716

132.8443,

143.8941, 152.7062

166.0027,
179.4381, 190.7753

■ 12.9538, 14.5132,
14.9506

■ 12.9538, 14.5132,
14.9506

■ 11.5690, 13.8330,
13.3830

■ 14.5209, 15.2857,
16.6382

■ 10.3584, 13.2397,
11.9318

■ 16.2754, 16.1520,
18.4473

■ 9.3150, 12.7304,
10.5946

■ 18.2241, 17.1158,
20.3806

■ 8.4310, 12.3009,
9.3685

■ 20.3728, 18.1801,
22.4407

■ 7.6978, 11.9469,
8.2508

■ 22.7270, 19.3478,
24.6297

■ 7.1062, 11.6637,
7.2382

■ 25.2923, 20.6215,
26.9499

■ 6.6457, 11.4460,
6.3276

■ 28.0737, 22.0040,
29.4035

■ 6.3043, 11.2876,
5.5155

■ 31.0764, 23.4977,
31.9927

■ 6.0348, 11.1642,
4.8029

■ 34.3051, 25.1052,
34.7194

Harmonies

Analogous

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



13.2110, 14.5132, 13.9037



12.9538, 14.5132, 14.9506



12.9188, 14.5132, 16.2848

Triad

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



12.9538, 14.5132, 14.9506



13.9618, 14.5132, 18.5058



14.4974, 14.5132, 14.1674

Complementary

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



12.9538, 14.5132, 14.9506



13.1735, 12.9864, 14.9096

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.



14.7086, 14.5132, 15.3296



12.9538, 14.5132, 14.9506



14.3947, 14.5132, 17.8666

Square

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



12.9538, 14.5132, 14.9506



13.4936, 14.5132, 18.3900



14.6705, 14.5132, 16.6860



14.0995, 14.5132, 13.4697

Rectangle

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



12.9538, 14.5132, 14.9506



13.0254, 14.5132, 17.1650



14.6705, 14.5132, 16.6860



14.5930, 14.5132, 14.5139

Sweetspot

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



12.9542, 14.5138, 14.9509



25.1271, 26.9395, 28.8658



13.3885, 14.7658, 13.6999



5.8013, 6.2463, 6.6681



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.



12.9542, 14.5138, 14.9509



22.6121, 25.7010, 26.1235



13.2369, 14.6269, 16.4395



3.1158, 3.4655, 3.5939



7.0461, 13.0525, 5.5541



35.4757, 66.3374, 26.0496

Inverse Universe

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



13.1735, 12.9864, 14.9096



23.0850, 22.4073, 26.0343



12.9054, 12.8791, 13.4978



3.1623, 3.1418, 3.5852



8.3015, 4.1727, 5.2163



41.8573, 21.0849, 24.2490

Previews

White Background



This preview shows how the XYZ color 12.9538, 14.5132, 14.9506 looks on a white background.

Color Contrast Check

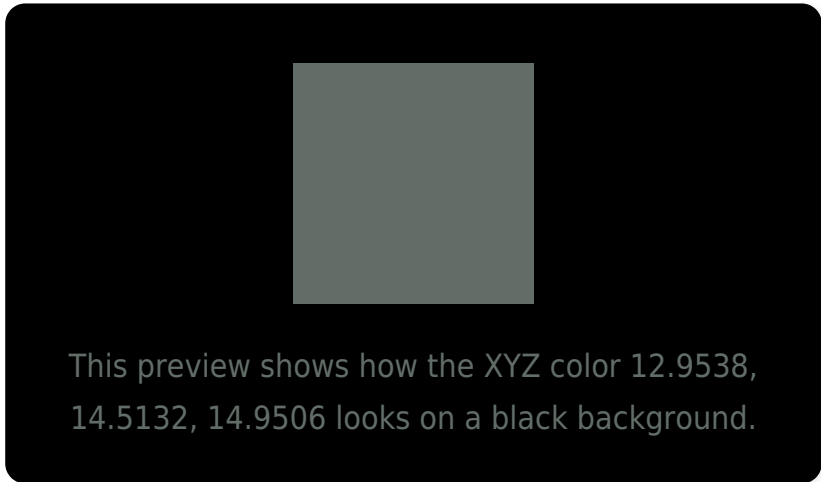
Large Text (above 18pt) WCAG AA ✓ Pass

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

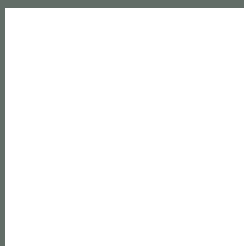
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9538, 14.5132, 14.9506

Background



This preview shows how black text looks on a background with the XYZ color 12.9538, 14.5132, 14.9506.



This preview shows how white text looks on a background with the XYZ color 12.9538, 14.5132,

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

12.9538, 14.5132, 14.9506

Protanopia

13.8097, 14.4989, 14.3826

Deuteranopia

14.6851, 14.4819, 15.1180



Tritanopia

13.6656, 14.4857, 18.5988

Trichromacy



Original Color

12.9538, 14.5132, 14.9506

Protanomaly

13.4817, 14.4780, 14.6543

Deuteranomaly

13.9807, 14.4176, 15.1427

Tritanomaly

13.3774, 14.5255, 17.1376

Monochromacy



Original Color

12.9538, 14.5132, 14.9506

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.1322, 14.1323, 15.1324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9538, 14.5132, 14.9506 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(98, 109, 103) looks like.

```
.text, #text, p{  
    color:rgb(98, 109, 103)  
}
```

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(98, 109, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 109, 103) }
```

Border

The CSS property to change the border of an element to XYZ 12.9538, 14.5132, 14.9506 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(98, 109, 103) }
```


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

```
.border{ border-color:rgb(98, 109, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 109, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 109, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 109, 103);  
box-shadow:4px 4px 4px 4px rgb(98, 109,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9538, 14.5132, 14.9506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 109, 103) }
```

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

```
.background{ background-color: rgb(98, 109,  
103) }
```

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