

Converting Colors

XYZ(9.8692, 11.6934, 14.3014)

Have a look what the booklet for
XYZ(9.8692, 11.6934, 14.3014)
contains.

XYZ(9.8760, 11.7225, 14.3125)	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(9.8760, 11.7225,
14.3125)**

Conversions

Conversions Part 1

Format	Color
Hex	4A6566
RGB	74, 101, 102
RGB Percent	29%, 40%, 40%
CMY	0.7098, 0.6039, 0.6000
CMYK	0.27, 0.01, 0.00, 0.60
HSL	182°, 16%, 35%
HSV	182°, 27%, 40%
XYZ	9.8760, 11.7225, 14.3125
YIQ	93.0410, -16.4130, -5.4130

Conversions

Conversions Part 2

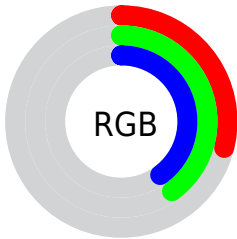
Format	Color
R_{YB}	74, 88, 102
Decimal	4875622
CIE Lab	40.77, -9.64, -3.81
CIE LCh	41, 10.367, 201.554
Yxy	11.7225, 0.2750, 0.3264
Android (android.graphics.Color)	4283065702 (0xFF4A6566)
YUV	93.0410, 4.4168, -16.6990
Hunter-Lab	34.2381, -8.4284, -0.8182

Details

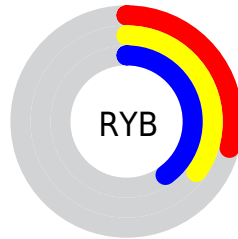
The XYZ color **9.8760, 11.7225, 14.3125** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.2318, 8.3515, 7.6043**, and the grayscale version is **10.4071, 10.9490, 11.9235**.

A 20% lighter version of the original color is **25.2902, 29.0415, 34.4096**, and **2.4876, 3.1610, 4.0935** is the 20% darker color. If you saturate the color by 10%, you get **9.1184, 11.2799, 14.2672**, and if you desaturate by 10%, it is **10.7618, 12.2320, 14.3644**.

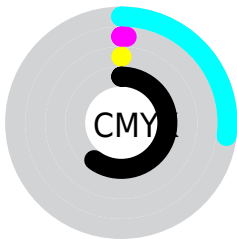
Distribution



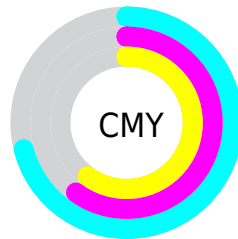
- Red (29%)
- Green (40%)
- Blue (40%)



- Red (29%)
- Yellow (35%)
- Blue (40%)



- Cyan (27%)
- Magenta (1%)
- Yellow (0%)
- Black (60%)



- Cyan (71%)
- Magenta (60%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8760, 11.7225, 14.3125 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 9.8760, 11.7225, 14.3125 by changing the saturation by 10% instead.

■ 9.8760, 11.7225,
14.3125

■ 9.8760, 11.7225,
14.3125

183.8569,
202.5594, 230.6620

■ 5.3785, 6.5550,
8.1971

■ 25.2138, 28.9887,
34.3676

■ 2.5080, 3.1854,
4.1318

■ 36.7848, 41.8562,
49.1443

■ 0.8993, 1.2293,
1.6979

■ 51.4443, 58.0591,
67.6453

■ 0.0000, 0.0854,
0.3593

■ 69.5576, 77.9819,
90.2890

■ 0.0000, 0.0000,
0.0000

■ 91.4902, 102.0089,
117.4939

117.6074,

130.5246, 149.6787

148.2745,
163.9133, 187.2619

■ 9.8760, 11.7225,
14.3125

■ 9.8760, 11.7225,
14.3125

■ 9.1184, 11.2799,
14.2672

■ 10.7618, 12.2320,
14.3644

■ 8.4819, 10.8997,
14.2273

■ 11.7806, 12.8100,
14.4222

■ 7.9601, 10.5788,
14.1929

■ 12.9379, 13.4596,
14.4866

■ 7.5458, 10.3136,
14.1636

■ 14.2390, 14.1836,
14.5578

■ 7.2309, 10.0999,
14.1389

■ 15.6885, 14.9844,
14.6359

■ 7.0061, 9.9328,
14.1185

■ 17.2912, 15.8643,
14.7213

■ 6.8413, 9.7969,
14.1010

■ 19.0514, 16.8257,
14.8141

■ 6.8000, 9.7627,
14.0965

■ 20.9733, 17.8707,
14.9145

■ 23.0610, 19.0013,
15.0227

Harmonies

Analogous

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



9.7990, 11.7225, 12.1773



9.8760, 11.7225, 14.3125



10.2844, 11.7225, 16.2110

Triad

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



9.8760, 11.7225, 14.3125



12.2882, 11.7225, 15.4553



11.3512, 11.7225, 9.1577

Complementary

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



9.8760, 11.7225, 14.3125



9.2318, 8.3515, 7.6043

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.



12.0458, 11.7225, 9.8436



9.8760, 11.7225, 14.3125



12.6022, 11.7225, 13.3688

Square

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



9.8760, 11.7225, 14.3125



11.6703, 11.7225, 16.9197



12.5116, 11.7225, 11.3311



10.6297, 11.7225, 9.3511

Rectangle

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



9.8760, 11.7225, 14.3125



10.6998, 11.7225, 17.0106



12.5116, 11.7225, 11.3311



11.5960, 11.7225, 9.2901

Sweetspot

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



9.8763, 11.7230, 14.3128



20.5123, 22.3821, 25.2848



8.8434, 11.4659, 8.3920



4.7878, 5.2512, 5.9620



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



9.8763, 11.7230, 14.3128



16.4323, 20.0416, 25.0480



8.6362, 9.2426, 13.8994



2.8956, 3.1693, 3.5911



8.7272, 12.5262, 18.1022



45.3762, 65.0491, 94.3656

Inverse Universe

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



10.2775, 8.6622, 13.4427



17.2685, 13.7123, 23.2232



10.2826, 10.4531, 7.9546



2.9319, 2.8874, 3.5138



9.8878, 4.7681, 15.3393



51.4990, 24.8396, 79.6280

Previews

White Background



This preview shows how the XYZ color 9.8760, 11.7225, 14.3125 looks on a white background.

Color Contrast Check

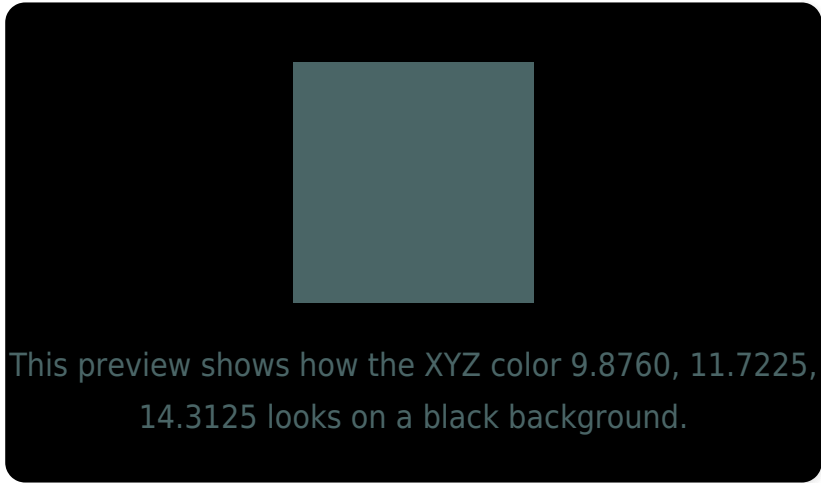
Large Text (above 18pt) WCAG AA ✓ Pass

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

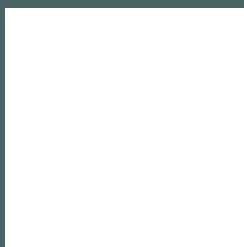
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.8760, 11.7225, 14.3125

Background



This preview shows how black text looks on a background with the XYZ color 9.8760, 11.7225, 14.3125.



This preview shows how white text looks on a background with the XYZ color 9.8760, 11.7225,

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

9.8760, 11.7225, 14.3125

Protanopia

11.2741, 11.6267, 13.4543

Deuteranopia

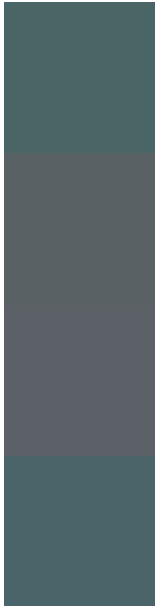
11.8925, 11.6530, 14.7191



Tritanopia

10.1656, 11.6929, 15.9085

Trichromacy



Original Color

9.8760, 11.7225, 14.3125

Protanomaly

10.6948, 11.5933, 13.7307

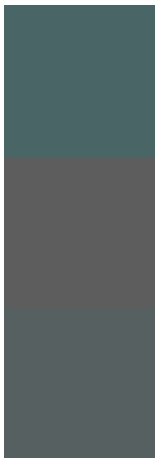
Deuteranomaly

11.0447, 11.6203, 14.4928

Tritanomaly

10.0603, 11.6508, 15.3543

Monochromacy



Original Color

9.8760, 11.7225, 14.3125

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.1319, 11.1887, 12.6920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8760, 11.7225, 14.3125 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(74, 101, 102)` looks like.

```
.text, #text, p{  
    color:rgb(74, 101, 102)  
}
```

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(74, 101, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 101, 102) }
```

Border

The CSS property to change the border of an element to XYZ 9.8760, 11.7225, 14.3125 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(74, 101, 102) }
```


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

```
.border{ border-color:rgb(74, 101, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 101, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 101, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 101, 102);  
box-shadow:4px 4px 4px 4px rgb(74, 101,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8760, 11.7225, 14.3125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 101, 102) }
```

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

```
.background{ background-color: rgb(74, 101,  
102) }
```

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