

Converting Colors

XYZ(14.2607, 15.4885, 15.9685)

Have a look what the booklet for
XYZ(14.2607, 15.4885, 15.9685)
contains.

XYZ(14.2298, 15.4737, 15.8724)	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(14.2298, 15.4737,
15.8724)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6F6A
RGB	106, 111, 106
RGB Percent	42%, 44%, 42%
CMY	0.5843, 0.5647, 0.5843
CMYK	0.05, 0.00, 0.05, 0.56
HSL	120°, 2%, 43%
HSV	120°, 5%, 44%
XYZ	14.2298, 15.4737, 15.8724
YIQ	108.9350, -1.3750, -2.6150

Conversions

Conversions Part 2

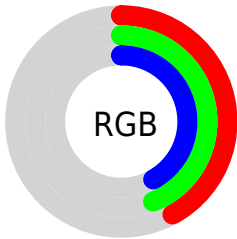
Format	Color
R_{YB}	106, 111, 111
Decimal	6975338
CIE Lab	46.28, -2.94, 2.11
CIE LCh	46, 3.619, 144.250
Yxy	15.4737, 0.3122, 0.3395
Android (android.graphics.Color)	4285165418 (0xFF6A6F6A)
YUV	108.9350, -1.4470, -2.5740
Hunter-Lab	39.3366, -4.2677, 3.6120

Details

The XYZ color **14.2298, 15.4737, 15.8724** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.5794, 14.8356, 17.1348**, and the grayscale version is **14.5220, 15.2783, 16.6381**.

A 20% lighter version of the original color is **33.0876, 35.7968, 37.0639**, and **4.3706, 4.8006, 4.8339** is the 20% darker color. If you saturate the color by 10%, you get **12.4548, 14.6215, 12.9689**, and if you desaturate by 10%, it is **16.2512, 16.4451, 19.1782**.

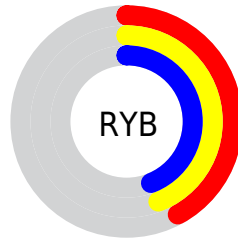
Distribution



Red (42%)

Green (44%)

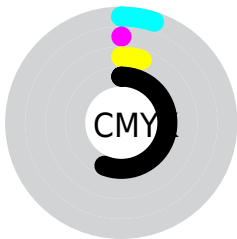
Blue (42%)



Red (42%)

Yellow (44%)

Blue (44%)

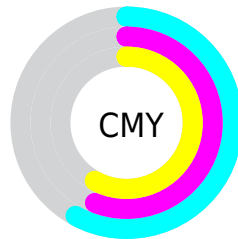


Cyan (5%)

Magenta (0%)

Yellow (5%)

Black (56%)



Cyan (58%)

Magenta (56%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.2298, 15.4737, 15.8724 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 14.2298, 15.4737, 15.8724 by changing the saturation by 10% instead.

■ 14.2298, 15.4737,
15.8724

■ 14.2298, 15.4737,
15.8724

212.1379,
226.2158, 240.4075

■ 8.3634, 9.1525,
9.2805

■ 33.0791, 35.6821,
37.1402

■ 4.3821, 4.8408,
4.8253

■ 46.7927, 50.3380,
52.6533

■ 1.9205, 2.1542,
2.0882

■ 63.8528, 68.5411,
71.9772

■ 0.5887, 0.6948,
0.6087

■ 84.6248, 90.6755,
95.5304

■ 0.0000, 0.0000,
0.0000

109.4739,
117.1259, 123.7315

138.7656,

148.2764, 156.9990

172.8651,
184.5116, 195.7515

■ 14.2298, 15.4737,
15.8724

■ 14.2298, 15.4737,
15.8724

■ 12.4548, 14.6215,
12.9689

■ 16.2512, 16.4451,
19.1782

■ 10.9155, 13.8821,
10.4512

■ 18.5265, 17.5381,
22.8996

■ 9.6025, 13.2514,
8.3036

■ 21.0646, 18.7573,
27.0508

■ 8.5050, 12.7242,
6.5085

■ 23.8736, 20.1066,
31.6449

■ 7.6116, 12.2951,
5.0471

■ 26.9610, 21.5896,
36.6945

■ 6.9096, 11.9579,
3.8989

■ 30.3342, 23.2100,
42.2115

■ 6.3852, 11.7060,
3.0409

■ 34.0005, 24.9711,
48.2077

■ 6.0223, 11.5317,
2.4473

■ 37.9666, 26.8762,
54.6942

■ 5.7946, 11.4223,
2.0747

■ 42.2391, 28.9285,
61.6819

Harmonies

Analogous

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



14.4643, 15.4737, 15.3422



14.2298, 15.4737, 15.8724



14.1234, 15.4737, 16.6781

Triad

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



14.2298, 15.4737, 15.8724



14.6478, 15.4737, 18.6007



15.2563, 15.4737, 16.1582

Complementary

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



14.2298, 15.4737, 15.8724



14.5794, 14.8356, 17.1348

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.



15.3071, 15.4737, 17.0195



14.2298, 15.4737, 15.8724



14.9530, 15.4737, 18.4497

Square

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



14.2298, 15.4737, 15.8724



14.3625, 15.4737, 18.2690



15.1953, 15.4737, 17.8633



15.0576, 15.4737, 15.5031

Rectangle

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



14.2298, 15.4737, 15.8724



14.1383, 15.4737, 17.2711



15.1953, 15.4737, 17.8633



15.2914, 15.4737, 16.4324

Sweetspot

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



14.2302, 15.4744, 15.8727



26.6886, 28.2884, 30.3977



14.8422, 15.7899, 15.9012



6.4187, 6.7994, 7.3141



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.



14.2302, 15.4744, 15.8727



25.2673, 27.6056, 28.0731



14.3622, 15.5272, 16.5678



3.5098, 3.8423, 3.8929



6.6985, 13.3969, 2.2332



33.3680, 66.7359, 11.1234

Inverse Universe

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



14.5794, 14.8356, 17.1348



25.9770, 26.3074, 30.6382



14.4436, 14.7813, 16.4196



3.6137, 3.6522, 4.2686



11.1052, 5.3345, 18.1619



55.3199, 26.5733, 90.4714

Previews

White Background



This preview shows how the XYZ color 14.2298, 15.4737, 15.8724 looks on a white background.

Color Contrast Check

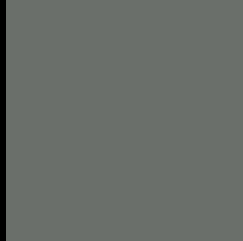
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.2298, 15.4737, 15.8724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

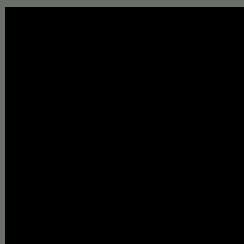
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

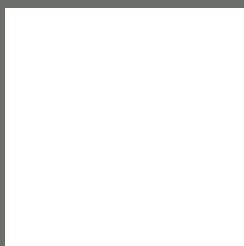
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.2298, 15.4737, 15.8724

Background



This preview shows how black text looks on a background with the XYZ color 14.2298, 15.4737, 15.8724.



This preview shows how white text looks on a background with the XYZ color 14.2298, 15.4737,

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

14.2298, 15.4737, 15.8724

Protanopia

14.8285, 15.4679, 15.5687

Deuteranopia

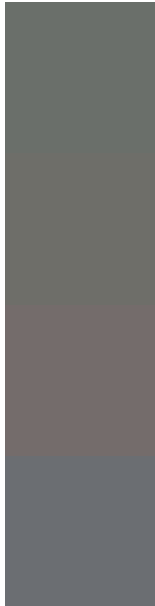
15.6930, 15.4346, 16.0620



Tritanopia

14.9230, 15.4334, 19.3320

Trichromacy



Original Color

14.2298, 15.4737, 15.8724

Protanomaly

14.5561, 15.4868, 15.5867

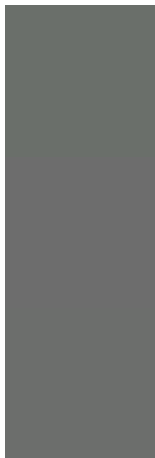
Deuteranomaly

15.2189, 15.4997, 16.0995

Tritanomaly

14.6766, 15.4926, 18.1364

Monochromacy



Original Color

14.2298, 15.4737, 15.8724

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.4670, 15.4227, 16.4017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.2298, 15.4737, 15.8724 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(106, 111, 106)` looks like.

```
.text, #text, p{  
    color:rgb(106, 111, 106)  
}
```

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(106, 111, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 111, 106) }
```

Border

The CSS property to change the border of an element to XYZ 14.2298, 15.4737, 15.8724 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(106, 111, 106) }
```


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

```
.border{ border-color:rgb(106, 111, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 111, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 111, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 111, 106);  
box-shadow:4px 4px 4px 4px rgb(106, 111,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 14.2298, 15.4737, 15.8724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 111, 106) }
```

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

```
.background{ background-color: rgb(106,  
111, 106) }
```

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