

Converting Colors

XYZ(15.2850, 18.4187, 17.6348)

Have a look what the booklet for
XYZ(15.2850, 18.4187, 17.6348)
contains.

XYZ(15.2937, 18.4457, 17.5062)	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(15.2937, 18.4457,
17.5062)**

Conversions

Conversions Part 1

Format	Color
Hex	637D6E
RGB	99, 125, 110
RGB Percent	39%, 49%, 43%
CMY	0.6118, 0.5098, 0.5686
CMYK	0.21, 0.00, 0.12, 0.51
HSL	145°, 12%, 44%
HSV	145°, 21%, 49%
XYZ	15.2937, 18.4457, 17.5062
YIQ	115.5160, -10.6810, -10.1770

Conversions

Conversions Part 2

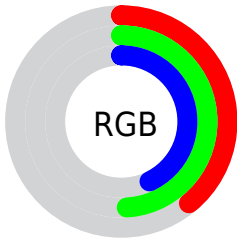
Format	Color
R _Y B	99, 117, 125
Decimal	6520174
CIE Lab	50.03, -12.67, 5.10
CIE LCh	50, 13.655, 158.087
Yxy	18.4457, 0.2984, 0.3599
Android (android.graphics.Color)	4284710254 (0xFF637D6E)
YUV	115.5160, -2.7194, -14.4845
Hunter-Lab	42.9485, -11.5970, 5.8968

Details

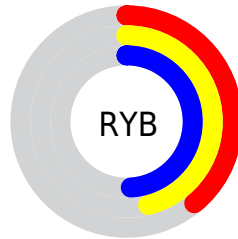
The XYZ color **15.2937, 18.4457, 17.5062** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.9572, 14.4990, 17.8780**, and the grayscale version is **16.4633, 17.3207, 18.8622**.

A 20% lighter version of the original color is **35.0197, 40.9335, 40.2376**, and **4.8701, 6.2467, 5.5065** is the 20% darker color. If you saturate the color by 10%, you get **13.6556, 17.6453, 15.4627**, and if you desaturate by 10%, it is **17.1762, 19.3694, 19.7288**.

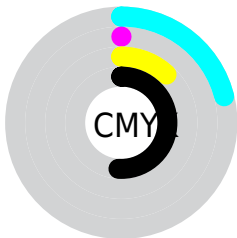
Distribution



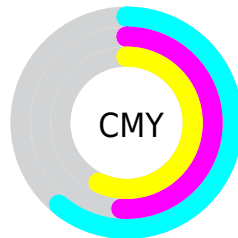
- Red (39%)
- Green (49%)
- Blue (43%)



- Red (39%)
- Yellow (46%)
- Blue (49%)



- Cyan (21%)
- Magenta (0%)
- Yellow (12%)
- Black (51%)



- Cyan (61%)
- Magenta (51%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2937, 18.4457, 17.5062 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 15.2937, 18.4457, 17.5062 by changing the saturation by 10% instead.

■ 15.2937, 18.4457,
17.5062

■ 15.2937, 18.4457,
17.5062

218.4904,
243.3714, 250.2148

■ 9.1134, 11.2704,
10.4303

■ 34.9350, 40.7953,
39.9966

■ 4.8729, 6.2490,
5.5759

■ 49.1268, 56.7385,
56.2482

■ 2.2069, 2.9971,
2.5244

■ 66.7198, 76.3731,
76.3954

■ 0.7464, 1.1302,
0.8530

■ 88.0794, 100.0835,
100.8567

■ 0.0000, 0.0036,
0.0000

113.5708,
128.2542, 130.0508

■ 0.0000, 0.0000,
0.0000

143.5596,

161.2694, 164.3962

178.4110,
199.5137, 204.3113

■ 15.2937, 18.4457,
17.5062

■ 15.2937, 18.4457,
17.5062

■ 13.6556, 17.6453,
15.4627

■ 17.1762, 19.3694,
19.7288

■ 12.2499, 16.9606,
13.5926

■ 19.3114, 20.4192,
22.1335

■ 11.0660, 16.3866,
11.8917

■ 21.7091, 21.6003,
24.7249

■ 10.0915, 15.9173,
10.3552

■ 24.3780, 22.9174,
27.5070

■ 9.3131, 15.5457,
8.9779

■ 27.3265, 24.3746,
30.4836

■ 8.7157, 15.2641,
7.7546

■ 30.5625, 25.9759,
33.6585

■ 8.2816, 15.0637,
6.6794

■ 34.0938, 27.7253,
37.0353

■ 7.9739, 14.9239,
5.8144

■ 37.9277, 29.6264,
40.6175

■ 42.0714, 31.6829,
44.4087

Harmonies

Analogous

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



16.0211, 18.4457, 14.9164



15.2937, 18.4457, 17.5062



15.1506, 18.4457, 21.1181

Triad

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



15.2937, 18.4457, 17.5062



17.8895, 18.4457, 28.1223



19.5941, 18.4457, 15.9481

Complementary

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



15.2937, 18.4457, 17.5062



15.9572, 14.4990, 17.8780

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.



20.1509, 18.4457, 19.0846



15.2937, 18.4457, 17.5062



19.1352, 18.4457, 26.3260

Square

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



15.2937, 18.4457, 17.5062



16.6071, 18.4457, 27.5625



19.9789, 18.4457, 22.9037



18.4907, 18.4457, 14.0980

Rectangle

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



15.2937, 18.4457, 17.5062



15.3988, 18.4457, 23.6824



19.9789, 18.4457, 22.9037



19.8538, 18.4457, 16.8703

Sweetspot

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



15.2942, 18.4465, 17.5066



32.4797, 35.5307, 37.2915



16.5476, 19.1576, 14.6303



7.3449, 8.0608, 8.4339



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



15.2942, 18.4465, 17.5066



25.9242, 32.3158, 29.5511



16.0446, 18.7466, 21.4579



4.3456, 4.8466, 4.9914



8.3185, 15.5740, 6.0502



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.9572, 14.4990, 17.8780



27.3376, 23.8986, 30.3415



15.2770, 14.2269, 14.2960



4.4236, 4.3826, 5.0351



10.0483, 5.0390, 6.8443



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.2937, 18.4457, 17.5062 looks on a white 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

Black Background



This preview shows how the XYZ color 15.2937, 18.4457, 17.5062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

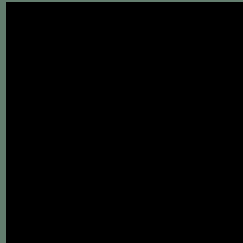
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.2937, 18.4457, 17.5062

Background



This preview shows how black text looks on a background with the XYZ color 15.2937, 18.4457, 17.5062.

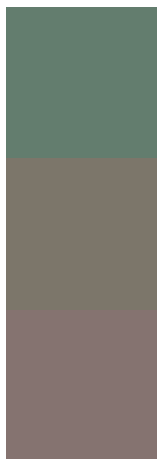


This preview shows how white text looks on a background with the XYZ color 15.2937, 18.4457,

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

15.2937, 18.4457, 17.5062

Protanopia

17.3921, 18.2826, 16.2479

Deuteranopia

18.7282, 18.4179, 17.8972



Tritanopia

16.7179, 18.4686, 24.5135

Trichromacy



Original Color

15.2937, 18.4457, 17.5062

Protanomaly

16.5614, 18.3811, 16.5849

Deuteranomaly

17.3512, 18.4063, 17.6772

Tritanomaly

16.2005, 18.4459, 21.7753

Monochromacy



Original Color

15.2937, 18.4457, 17.5062

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.0645, 17.7236, 18.4939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2937, 18.4457, 17.5062 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(99, 125, 110) looks like.

```
.text, #text, p{  
    color:rgb(99, 125, 110)  
}
```

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(99, 125, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 125, 110) }
```

Border

The CSS property to change the border of an element to XYZ 15.2937, 18.4457, 17.5062 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(99, 125, 110) }
```


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

```
.border{ border-color:rgb(99, 125, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 125, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 125, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 125, 110);  
box-shadow:4px 4px 4px 4px rgb(99, 125,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2937, 18.4457, 17.5062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 125, 110) }
```

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

```
.background{ background-color: rgb(99, 125,  
110) }
```

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