

Converting Colors

XYZ(13.8516, 16.4893, 14.2568)

Have a look what the booklet for
XYZ(13.8516, 16.4893, 14.2568)
contains.

XYZ(13.8762, 16.5104, 14.2598)	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(13.8762, 16.5104,
14.2598)**

Conversions

Conversions Part 1

Format	Color
Hex	637663
RGB	99, 118, 99
RGB Percent	39%, 46%, 39%
CMY	0.6118, 0.5372, 0.6118
CMYK	0.16, 0.00, 0.16, 0.54
HSL	120°, 9%, 43%
HSV	120°, 16%, 46%
XYZ	13.8762, 16.5104, 14.2598
YIQ	110.1530, -5.2250, -9.9370

Conversions

Conversions Part 2

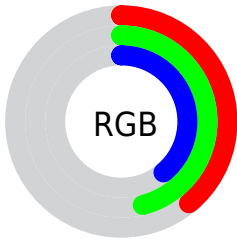
Format	Color
R_{YB}	99, 118, 118
Decimal	6518371
CIE Lab	47.64, -11.02, 8.15
CIE LCh	48, 13.708, 143.504
Yxy	16.5104, 0.3108, 0.3698
Android (android.graphics.Color)	4284708451 (0xFF637663)
YUV	110.1530, -5.4984, -9.7812
Hunter-Lab	40.6330, -10.1498, 7.6358

Details

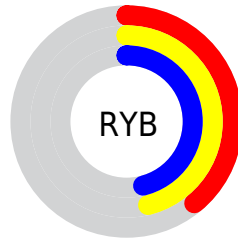
The XYZ color **13.8762, 16.5104, 14.2598** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.2036, 14.0836, 19.0575**, and the grayscale version is **14.8817, 15.6567, 17.0502**.

A 20% lighter version of the original color is **32.4574, 37.4355, 34.3692**, and **4.2262, 5.3583, 4.0603** is the 20% darker color. If you saturate the color by 10%, you get **12.1566, 15.6849, 11.4466**, and if you desaturate by 10%, it is **15.8676, 17.4675, 17.5168**.

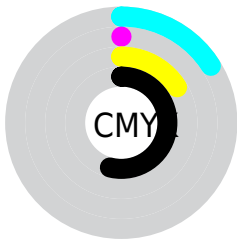
Distribution



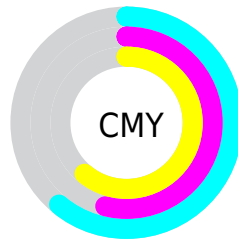
- Red (39%)
- Green (46%)
- Blue (39%)



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



- Cyan (16%)
- Magenta (0%)
- Yellow (16%)
- Black (54%)



- Cyan (61%)
- Magenta (54%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8762, 16.5104, 14.2598 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 13.8762, 16.5104, 14.2598 by changing the saturation by 10% instead.

■ 13.8762, 16.5104,
14.2598

■ 13.8762, 16.5104,
14.2598

209.9854,
232.3349, 230.3255

■ 8.1157, 9.8860,
8.1608

■ 32.4573, 37.4820,
34.2730

■ 4.2215, 5.3235,
4.1087

■ 46.0087, 52.5981,
49.0243

■ 1.8282, 2.4383,
1.6852

■ 62.8877, 71.3135,
67.4968

■ 0.5346, 0.8455,
0.3506

■ 83.4597, 94.0127,
90.1089

■ 0.0000, 0.0000,
0.0000

108.0902,
121.0801, 117.2794

137.1444,

152.9000, 149.4266

170.9876,
189.8568, 186.9691

■ 13.8762, 16.5104,
14.2598

■ 13.8762, 16.5104,
14.2598

■ 12.1566, 15.6849,
11.4466

■ 15.8676, 17.4675,
17.5168

■ 10.6956, 14.9831,
9.0570

■ 18.1404, 18.5592,
21.2345

■ 9.4813, 14.3998,
7.0707

■ 20.7055, 19.7914,
25.4302

■ 8.5000, 13.9284,
5.4657

■ 23.5727, 21.1686,
30.1201

■ 7.7369, 13.5619,
4.2174

■ 26.7513, 22.6955,
35.3194

■ 7.1752, 13.2920,
3.2986

■ 30.2504, 24.3763,
41.0430

■ 6.7959, 13.1099,
2.6783

■ 34.0787, 26.2151,
47.3049

■ 6.5615, 12.9973,
2.2950

■ 38.2443, 28.2161,
54.1187

■ 6.4788, 12.9575,
2.1596

■ 42.7553, 30.3829,
61.4974

Harmonies

Analogous

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



14.7729, 16.5104, 12.4788



13.8762, 16.5104, 14.2598



13.4691, 16.5104, 17.2254

Triad

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



13.8762, 16.5104, 14.2598



15.4280, 16.5104, 25.5375



17.9506, 16.5104, 15.4214

Complementary

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



13.8762, 16.5104, 14.2598



15.2036, 14.0836, 19.0575

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.



18.1483, 16.5104, 18.7501



13.8762, 16.5104, 14.2598



16.6498, 16.5104, 24.8912

Square

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



13.8762, 16.5104, 14.2598



14.3345, 16.5104, 23.9562



17.6611, 16.5104, 22.2899



17.1340, 16.5104, 13.0860

Rectangle

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



13.8762, 16.5104, 14.2598



13.5143, 16.5104, 19.5969



17.6611, 16.5104, 22.2899



18.0934, 16.5104, 16.4490

Sweetspot

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



13.8766, 16.5111, 14.2602



28.2680, 30.8892, 31.4021



16.1653, 17.6357, 14.3566



6.4516, 7.0790, 7.1419



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.8766, 16.5111, 14.2602



23.3270, 28.5158, 23.3202



14.3411, 16.6969, 16.7060



3.6406, 4.0982, 3.9414



7.0088, 14.0175, 2.3363



34.1546, 68.3091, 11.3848

Inverse Universe

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



15.2036, 14.0836, 19.0575



26.0854, 23.4699, 33.2923



14.6841, 13.8758, 16.3212



3.8266, 3.7579, 4.6139



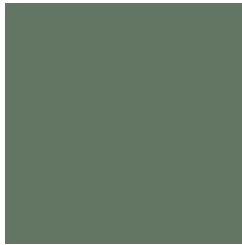
11.6202, 5.5817, 19.0075



56.6264, 27.2005, 92.6260

Previews

White Background



This preview shows how the XYZ color 13.8762, 16.5104, 14.2598 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 13.8762, 16.5104, 14.2598 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 13.8762, 16.5104, 14.2598

Background



This preview shows how black text looks on a background with the XYZ color 13.8762, 16.5104, 14.2598.

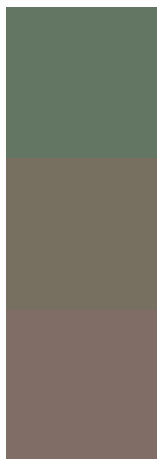


This preview shows how white text looks on a background with the XYZ color 13.8762, 16.5104,

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

13.8762, 16.5104, 14.2598

Protanopia

15.5132, 16.3548, 13.4055

Deuteranopia

16.7197, 16.4661, 14.6090



Tritanopia

15.3623, 16.6003, 21.4633

Trichromacy



Original Color

13.8762, 16.5104, 14.2598

Protanomaly

14.8571, 16.3424, 13.6806

Deuteranomaly

15.4305, 16.2903, 14.3877

Tritanomaly

14.8194, 16.5534, 18.6337

Monochromacy



Original Color

13.8762, 16.5104, 14.2598

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.4505, 15.9150, 15.9460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8762, 16.5104, 14.2598 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, 118, 99) looks like.

```
.text, #text, p{  
    color:rgb(99, 118, 99)  
}
```

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, 118, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 118, 99) }
```

Border

The CSS property to change the border of an element to XYZ 13.8762, 16.5104, 14.2598 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, 118, 99) }
```


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

```
.border{ border-color:rgb(99, 118, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 118, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 118, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 118, 99);  
box-shadow:4px 4px 4px 4px rgb(99, 118,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8762, 16.5104, 14.2598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 118, 99) }
```

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

```
.background{ background-color: rgb(99, 118,  
99) }
```

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](#).

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