

Converting Colors

XYZ(13.8887, 15.2564, 13.8709)

Have a look what the booklet for
XYZ(13.8887, 15.2564, 13.8709)
contains.

XYZ(13.8439, 15.1595, 13.7517)	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(13.8439, 15.1595,
13.7517)**

Conversions

Conversions Part 1

Format	Color
Hex	6B6E62
RGB	107, 110, 98
RGB Percent	42%, 43%, 38%
CMY	0.5804, 0.5686, 0.6157
CMYK	0.03, 0.00, 0.11, 0.57
HSL	75°, 6%, 41%
HSV	75°, 11%, 43%
XYZ	13.8439, 15.1595, 13.7517
YIQ	107.7350, 2.0640, -4.3680

Conversions

Conversions Part 2

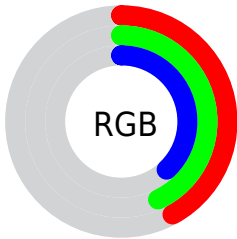
Format	Color
R_{YB}	98, 110, 101
Decimal	7040610
CIE Lab	45.85, -3.53, 6.30
CIE LCh	46, 7.218, 119.275
Yxy	15.1595, 0.3238, 0.3546
Android (android.graphics.Color)	4285230690 (0xFF6B6E62)
YUV	107.7350, -4.7994, -0.6446
Hunter-Lab	38.9352, -4.6687, 6.3137

Details

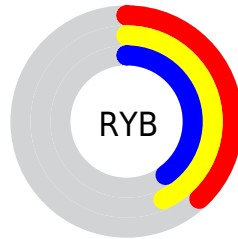
The XYZ color **13.8439, 15.1595, 13.7517** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5496, 12.6283, 16.5288**, and the grayscale version is **14.1926, 14.9317, 16.2606**.

A 20% lighter version of the original color is **32.4457, 35.2797, 33.5334**, and **4.2608, 4.7636, 3.9437** is the 20% darker color. If you saturate the color by 10%, you get **13.0343, 14.7985, 11.1864**, and if you desaturate by 10%, it is **14.7363, 15.5558, 16.6942**.

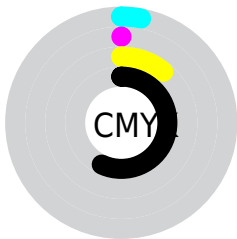
Distribution



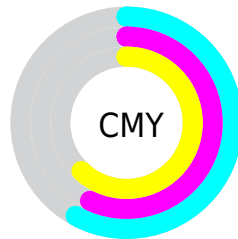
- Red (42%)
- Green (43%)
- Blue (38%)



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



- Cyan (3%)
- Magenta (0%)
- Yellow (11%)
- Black (57%)



- Cyan (58%)
- Magenta (57%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8439, 15.1595, 13.7517 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 13.8439, 15.1595, 13.7517 by changing the saturation by 10% instead.

■ 13.8439, 15.1595,
13.7517

■ 13.8439, 15.1595,
13.7517

209.7877,
224.3296, 227.0551

■ 8.0931, 8.9314,
7.8114

■ 32.4004, 35.1327,
33.3586

■ 4.2069, 4.6965,
3.8885

■ 45.9368, 49.6467,
47.8622

■ 1.8198, 2.0703,
1.5644

■ 62.7992, 67.6914,
66.0574

■ 0.5296, 0.6478,
0.2652

■ 83.3529, 89.6512,
88.3626

■ 0.0000, 0.0000,
0.0000

107.9632,
115.9105, 115.1965

136.9955,

146.8538, 146.9775

170.8152,
182.8653, 184.1242

■ 13.8439, 15.1595,
13.7517

■ 13.8439, 15.1595,
13.7517

■ 13.0343, 14.7985,
11.1864

■ 14.7363, 15.5558,
16.6942

■ 12.3033, 14.4697,
8.9820

■ 15.7130, 15.9865,
20.0273

■ 11.6480, 14.1724,
7.1227

■ 16.7771, 16.4535,
23.7650

■ 11.0651, 13.9052,
5.5908

■ 17.9313, 16.9577,
27.9201

■ 10.5507, 13.6666,
4.3673

■ 19.1779, 17.5002,
32.5051

■ 10.1009, 13.4549,
3.4311

■ 20.5193, 18.0818,
37.5319

■ 9.7110, 13.2684,
2.7586

■ 21.9578, 18.7036,
43.0118

■ 9.3758, 13.1049,
2.3225

■ 23.4955, 19.3663,
48.9559

■ 9.0979, 12.9680,
2.0236

■ 25.1345, 20.0709,
55.3748

Harmonies

Analogous

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



14.4235, 15.1595, 13.3764



13.8439, 15.1595, 13.7517



13.4258, 15.1595, 14.8522

Triad

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



13.8439, 15.1595, 13.7517



13.8189, 15.1595, 19.5583



15.6108, 15.1595, 16.5486

Complementary

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



13.8439, 15.1595, 13.7517



12.5496, 12.6283, 16.5288

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.



15.4383, 15.1595, 18.2785



13.8439, 15.1595, 13.7517



14.3939, 15.1595, 20.0895

Square

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



13.8439, 15.1595, 13.7517



13.4117, 15.1595, 18.2000



14.9886, 15.1595, 19.6058



15.4538, 15.1595, 14.9208

Rectangle

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



13.8439, 15.1595, 13.7517



13.2891, 15.1595, 15.8902



14.9886, 15.1595, 19.6058



15.5894, 15.1595, 17.1377

Sweetspot

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



13.8443, 15.1602, 13.7520



25.5261, 27.1617, 28.1384



13.2892, 13.5047, 13.4617



5.9144, 6.3093, 6.4624



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.



13.8443, 15.1602, 13.7520



23.9525, 26.4627, 22.9925



13.1479, 14.8011, 13.7194



3.5643, 3.8763, 3.6337



10.9017, 15.5638, 2.4295



53.4879, 77.1080, 12.0642

Inverse Universe

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



12.5496, 12.6283, 16.5288



21.2152, 21.1094, 28.8636



13.2461, 12.9873, 16.5613



3.2886, 3.3371, 4.2250



3.9161, 1.6282, 17.8295



18.8220, 7.7575, 88.7844

Previews

White Background



This preview shows how the XYZ color 13.8439, 15.1595, 13.7517 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 13.8439, 15.1595, 13.7517 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

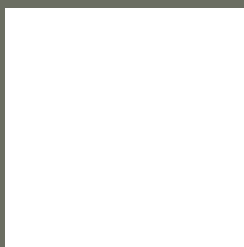
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8439, 15.1595, 13.7517

Background



This preview shows how black text looks on a background with the XYZ color 13.8439, 15.1595, 13.7517.



This preview shows how white text looks on a background with the XYZ color 13.8439, 15.1595,

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

13.8439, 15.1595, 13.7517

Protanopia

14.3303, 15.0989, 13.4684

Deuteranopia

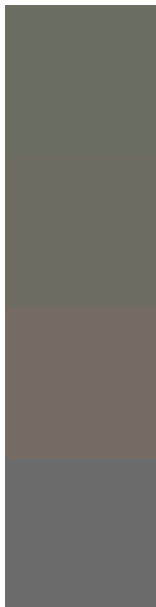
15.3297, 15.1416, 13.9190



Tritanopia

14.8405, 15.0913, 18.6537

Trichromacy



Original Color

13.8439, 15.1595, 13.7517

Protanomaly

14.1819, 15.1799, 13.4918

Deuteranomaly

14.8459, 15.1982, 13.9555

Tritanomaly

14.4296, 15.0805, 16.6183

Monochromacy



Original Color

13.8439, 15.1595, 13.7517

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.1517, 15.1249, 15.2702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8439, 15.1595, 13.7517 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(107, 110, 98)` looks like.

```
.text, #text, p{  
    color:rgb(107, 110, 98)  
}
```

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(107, 110, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 110, 98) }
```

Border

The CSS property to change the border of an element to XYZ 13.8439, 15.1595, 13.7517 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(107, 110, 98) }
```


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

```
.border{ border-color:rgb(107, 110, 98) }
```

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

Here you see how a box with a 4 pixel rgb(107, 110, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 110, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 110, 98);  
box-shadow:4px 4px 4px 4px rgb(107, 110,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8439, 15.1595, 13.7517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 110, 98) }
```

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

```
.background{ background-color: rgb(107,  
110, 98) }
```

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