

Converting Colors

XYZ(15.8949, 16.8140, 13.6927)

Have a look what the booklet for
XYZ(15.8949, 16.8140, 13.6927)
contains.

XYZ(15.9207, 16.8908, 13.7304)	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(15.9207, 16.8908,
13.7304)**

Conversions

Conversions Part 1

Format	Color
Hex	787261
RGB	120, 114, 97
RGB Percent	47%, 45%, 38%
CMY	0.5294, 0.5529, 0.6196
CMYK	0.00, 0.05, 0.19, 0.53
HSL	44°, 11%, 43%
HSV	44°, 19%, 47%
XYZ	15.9207, 16.8908, 13.7304
YIQ	113.8560, 9.0330, -4.0150

Conversions

Conversions Part 2

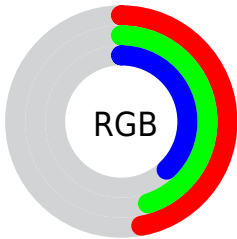
Format	Color
RYB	105, 120, 97
Decimal	7893601
CIELab	48.12, -0.77, 10.26
CIElCh	48, 10.291, 94.281
Yxy	16.8908, 0.3421, 0.3629
Android (android.graphics.Color)	4286083681 (0xFF787261)
YUV	113.8560, -8.3100, 5.3883
Hunter-Lab	41.0984, -2.7749, 8.9609

Details

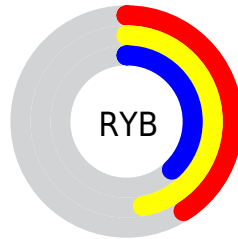
The XYZ color **15.9207, 16.8908, 13.7304** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1701, 13.5975, 19.6998**, and the grayscale version is **15.9737, 16.8055, 18.3012**.

A 20% lighter version of the original color is **35.9948, 38.1812, 33.4896**, and **5.1443, 5.4750, 3.9176** is the 20% darker color. If you saturate the color by 10%, you get **15.0562, 15.9905, 10.8875**, and if you desaturate by 10%, it is **16.8828, 17.8506, 17.0240**.

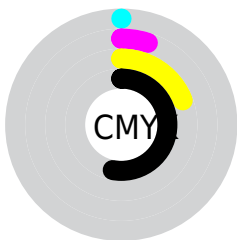
Distribution



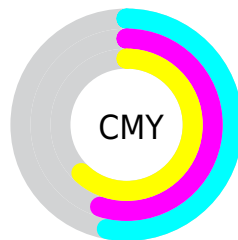
- Red (47%)
- Green (45%)
- Blue (38%)



- Red (41%)
- Yellow (47%)
- Blue (38%)



- Cyan (0%)
- Magenta (5%)
- Yellow (19%)
- Black (53%)



- Cyan (53%)
- Magenta (55%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9207, 16.8908, 13.7304 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 15.9207, 16.8908, 13.7304 by changing the saturation by 10% instead.

■ 15.9207, 16.8908,
13.7304

■ 15.9207, 16.8908,
13.7304

222.1529,
234.5423, 226.9169

■ 9.5585, 10.1567,
7.7968

■ 36.0190, 38.1379,
33.3201

■ 5.1673, 5.5030,
3.8793

■ 50.4859, 53.4197,
47.8133

■ 2.3815, 2.5453,
1.5594

■ 68.3851, 72.3195,
65.9967

■ 0.8359, 0.8992,
0.2616

■ 90.0820, 95.2217,
88.2890

■ 0.0000, 0.0000,
0.0000

115.9418,
122.5107, 115.1086

146.3300,

154.5708, 146.8741

181.6119,
191.7866, 184.0040

■ 15.9207, 16.8908,
13.7304

■ 15.9207, 16.8908,
13.7304

■ 15.0562, 15.9905,
10.8875

■ 16.8828, 17.8506,
17.0240

■ 14.2842, 15.1457,
8.4740

■ 17.9449, 18.8694,
20.7858

■ 13.6007, 14.3553,
6.4690

■ 19.1109, 19.9494,
25.0340

■ 13.0013, 13.6173,
4.8490

■ 20.3840, 21.0922,
29.7853

■ 12.4811, 12.9294,
3.5881

■ 21.7675, 22.2991,
35.0556

■ 12.0342, 12.2893,
2.6575

■ 23.2642, 23.5716,
40.8602

■ 11.6543, 11.6940,
2.0237

■ 24.8772, 24.9109,
47.2137

■ 11.3213, 11.1355,
1.5814

■ 26.6090, 26.3185,
54.1302

■ 11.2942, 11.0899,
1.5453

■ 28.4626, 27.7954,
61.6232

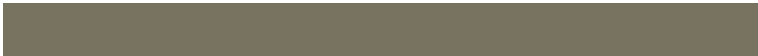
Harmonies

Analogous

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



16.8450, 16.8908, 14.1414



15.9207, 16.8908, 13.7304



15.0652, 16.8908, 14.4656

Triad

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



15.9207, 16.8908, 13.7304



14.6176, 16.8908, 21.4383



17.7246, 16.8908, 20.7112

Complementary

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



15.9207, 16.8908, 13.7304



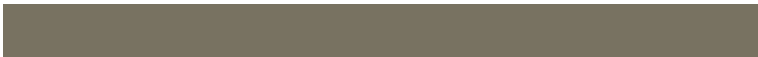
13.1701, 13.5975, 19.6998

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.



17.0856, 16.8908, 22.9696



15.9207, 16.8908, 13.7304



15.2885, 16.8908, 23.4171

Square

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



15.9207, 16.8908, 13.7304



14.3315, 16.8908, 18.7773



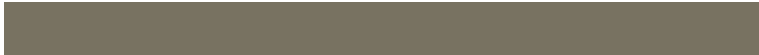
16.1884, 16.8908, 24.0028



17.9097, 16.8908, 18.0105

Rectangle

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



15.9207, 16.8908, 13.7304



14.6418, 16.8908, 15.5529



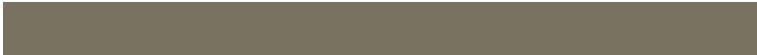
16.1884, 16.8908, 24.0028



17.5546, 16.8908, 21.5554

Sweetspot

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



15.9211, 16.8916, 13.7308



30.2389, 31.9258, 31.8513



14.4754, 13.5246, 14.7148



7.1450, 7.5455, 7.4733



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



15.9211, 16.8916, 13.7308



27.3129, 28.9999, 21.8553



15.8963, 17.9161, 13.9298



4.2235, 4.4655, 4.2638



12.3095, 12.0749, 1.6819



57.9994, 56.1622, 7.7835

Inverse Universe

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



13.1701, 13.5975, 19.6998



21.5407, 22.0893, 34.3814



13.1862, 12.7519, 19.5357



3.8748, 4.0479, 5.0203



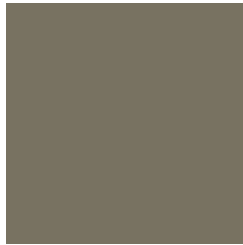
4.2307, 2.5439, 19.6533



19.5800, 10.9326, 93.5480

Previews

White Background



This preview shows how the XYZ color 15.9207, 16.8908, 13.7304 looks on a white background.

Color Contrast Check

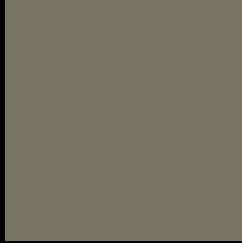
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9207, 16.8908, 13.7304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

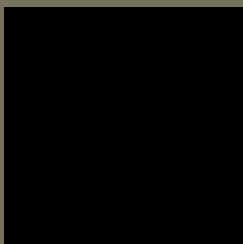
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

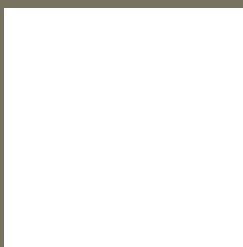
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.9207, 16.8908, 13.7304

Background



This preview shows how black text looks on a background with the XYZ color 15.9207, 16.8908, 13.7304.



This preview shows how white text looks on a background with the XYZ color 15.9207, 16.8908,

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

15.9207, 16.8908, 13.7304

Protanopia

15.9207, 16.8908, 13.7304

Deuteranopia

17.1406, 16.8590, 13.9060



Tritanopia

17.2430, 16.9359, 20.1295

Trichromacy



Original Color

15.9207, 16.8908, 13.7304

Protanomaly

15.9207, 16.8908, 13.7304

Deuteranomaly

16.6414, 16.7627, 13.9137

Tritanomaly

16.7448, 16.8958, 17.7079

Monochromacy



Original Color

15.9207, 16.8908, 13.7304

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.9265, 16.8303, 16.5965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9207, 16.8908, 13.7304 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(120, 114, 97)` looks like.

```
.text, #text, p{  
    color:rgb(120, 114, 97)  
}
```

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(120, 114, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 114, 97) }
```

Border

The CSS property to change the border of an element to XYZ 15.9207, 16.8908, 13.7304 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(120, 114, 97) }
```


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

```
.border{ border-color:rgb(120, 114, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 114, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 114, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 114, 97);  
box-shadow:4px 4px 4px 4px rgb(120, 114,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9207, 16.8908, 13.7304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 114, 97) }
```

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

```
.background{ background-color: rgb(120,  
114, 97) }
```

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