

Converting Colors

XYZ(13.6027, 11.8921, 8.4526)

Have a look what the booklet for
XYZ(13.6027, 11.8921, 8.4526)
contains.

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Color

**XYZ(13.6148, 11.9274,
8.4221)**

Conversions

Conversions Part 1

Format	Color
Hex	80574C
RGB	128, 87, 76
RGB Percent	50%, 34%, 30%
CMY	0.4980, 0.6588, 0.7020
CMYK	0.00, 0.32, 0.41, 0.50
HSL	13°, 25%, 40%
HSV	13°, 41%, 50%
XYZ	13.6148, 11.9274, 8.4221
YIQ	98.0050, 27.9670, 5.2710

Conversions

Conversions Part 2

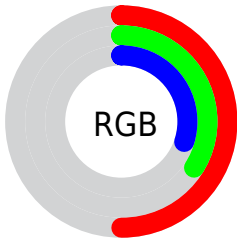
Format	Color
R_{YB}	128, 90, 76
Decimal	8410956
CIE _{Lab}	41.10, 15.49, 13.23
CIE _{LCh}	41, 20.374, 40.507
Yxy	11.9274, 0.4009, 0.3512
Android (android.graphics.Color)	4286601036 (0xFF80574C)
YUV	98.0050, -10.8485, 26.3056
Hunter-Lab	34.5361, 9.9301, 9.7166

Details

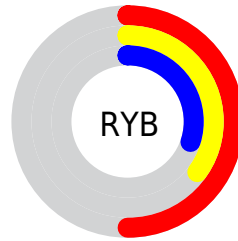
The XYZ color **13.6148, 11.9274, 8.4221** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **13.2378, 15.8170, 22.7774**, and the grayscale version is **11.6322, 12.2380, 13.3272**.

A 20% lighter version of the original color is **31.9387, 29.3171, 23.3774**, and **4.1142, 3.2679, 1.7804** is the 20% darker color. If you saturate the color by 10%, you get **12.4526, 10.2458, 6.0534**, and if you desaturate by 10%, it is **14.9804, 13.8741, 11.2958**.

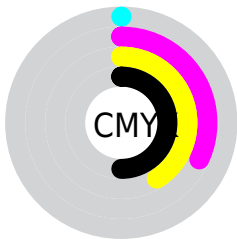
Distribution



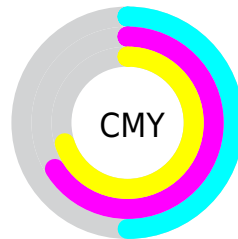
- Red (50%)
- Green (34%)
- Blue (30%)



- Red (50%)
- Yellow (35%)
- Blue (30%)



- Cyan (0%)
- Magenta (32%)
- Yellow (41%)
- Black (50%)





- Cyan (50%)
- Magenta (66%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6148, 11.9274, 8.4221 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 13.6148, 11.9274, 8.4221 by changing the saturation by 10% instead.


 13.6148, 11.9274,
8.4221


 13.6148, 11.9274,
8.4221


208.3801,
203.9241, 189.0628

 7.9331, 6.6943,
4.2746


 31.9960, 29.3628,
23.3415


 4.1036, 3.2716,
1.7772

 45.4262, 42.3339,
34.9506

 1.7609, 1.2751,
0.4128

 62.1700, 58.6530,
49.8838

 0.4940, 0.1218,
0.0000

 82.5927, 78.7047,
68.5599

 0.0000, 0.0000,
0.0000

 107.0598,
102.8732, 91.3973

135.9364,

131.5430, 118.8145

169.5881,
165.0985, 151.2302

■ 13.6148, 11.9274,
8.4221

■ 13.6148, 11.9274,
8.4221

■ 12.4526, 10.2458,
6.0534

■ 14.9804, 13.8741,
11.2958

■ 11.4830, 8.8160,
4.1596

■ 16.5578, 16.0950,
14.7007

■ 10.6953, 7.6261,
2.7084

■ 18.3560, 18.6008,
18.6623

■ 10.0775, 6.6627,
1.6634

■ 20.3832, 21.4012,
23.2039

■ 9.6160, 5.9108,
0.9819

■ 22.6472, 24.5054,
28.3476

■ 9.2960, 5.3769,
0.5479

■ 25.1553, 27.9224,
34.1145

■ 27.9148, 31.6604,
40.5244

■ 30.9322, 35.7276,
47.5965

■ 34.2143, 40.1319,
55.3490

Harmonies

Analogous

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



14.3362, 11.9274, 11.5713



13.6148, 11.9274, 8.4221



12.3023, 11.9274, 6.7725

Triad

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



13.6148, 11.9274, 8.4221



8.8843, 11.9274, 10.4779



11.8578, 11.9274, 22.6374

Complementary

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



13.6148, 11.9274, 8.4221



13.2378, 15.8170, 22.7774

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.



10.4229, 11.9274, 22.1671



13.6148, 11.9274, 8.4221



8.7877, 11.9274, 14.5135

Square

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



13.6148, 11.9274, 8.4221



9.6045, 11.9274, 7.7704



9.3279, 11.9274, 18.9598



13.2654, 11.9274, 20.1327

Rectangle

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



13.6148, 11.9274, 8.4221



11.3117, 11.9274, 6.4776



9.3279, 11.9274, 18.9598



11.3616, 11.9274, 22.8333

Sweetspot

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



13.6151, 11.9280, 8.4223



31.7682, 31.9856, 31.6365



14.7329, 11.0567, 18.3729



7.3581, 7.3779, 7.2305



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.6151, 11.9280, 8.4223



22.0184, 18.1758, 10.8451



16.0451, 16.7879, 9.2323



4.3959, 4.4804, 4.5532



9.2185, 5.3334, 0.5436



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.2378, 15.8170, 22.7774



21.2427, 26.0109, 39.8573



10.6695, 10.6803, 21.9212



4.3716, 4.7373, 5.4972



8.4708, 10.7601, 21.8804



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.6148, 11.9274, 8.4221 looks on a white background.

Color Contrast Check

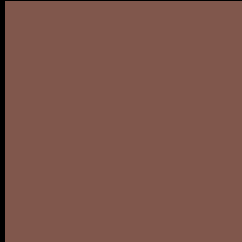
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6148, 11.9274, 8.4221 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 13.6148, 11.9274, 8.4221

Background



This preview shows how black text looks on a background with the XYZ color 13.6148, 11.9274, 8.4221.

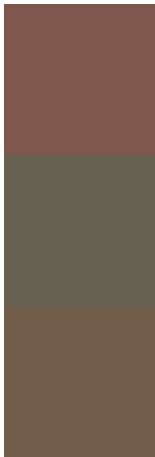


This preview shows how white text looks on a background with the XYZ color 13.6148, 11.9274,

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

13.6148, 11.9274, 8.4221

Protanopia

11.3534, 12.0270, 9.5076

Deuteranopia

12.1238, 11.9141, 8.3173



Tritanopia

14.1901, 11.9195, 11.4503

Trichromacy



Original Color

13.6148, 11.9274, 8.4221

Protanomaly

12.0077, 11.8380, 9.0492

Deuteranomaly

12.6188, 11.9121, 8.2908

Tritanomaly

14.0608, 11.9946, 10.3782

Monochromacy



Original Color

13.6148, 11.9274, 8.4221

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.1548, 11.9948, 11.3475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6148, 11.9274, 8.4221 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(128, 87, 76)` looks like.

```
.text, #text, p{  
    color:rgb(128, 87, 76)  
}
```

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(128, 87, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 87, 76) }
```

Border

The CSS property to change the border of an element to XYZ 13.6148, 11.9274, 8.4221 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(128, 87, 76) }
```


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

```
.border{ border-color:rgb(128, 87, 76) }
```

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

Here you see how a box with a 4 pixel rgb(128, 87, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 87, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 87, 76);  
box-shadow:4px 4px 4px 4px rgb(128, 87,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6148, 11.9274, 8.4221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 87, 76) }
```

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

```
.background{ background-color: rgb(128, 87,  
76) }
```

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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