

Converting Colors

XYZ(13.8964, 16.2736, 12.8076)

Have a look what the booklet for
XYZ(13.8964, 16.2736, 12.8076)
contains.

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Color

**XYZ(13.8147, 16.1647,
12.7479)**

Conversions

Conversions Part 1

Format	Color
Hex	67745D
RGB	103, 116, 93
RGB Percent	40%, 45%, 36%
CMY	0.5961, 0.5451, 0.6353
CMYK	0.11, 0.00, 0.20, 0.55
HSL	94°, 11%, 41%
HSV	94°, 20%, 45%
XYZ	13.8147, 16.1647, 12.7479
YIQ	109.4910, -0.3650, -9.9090

Conversions

Conversions Part 2

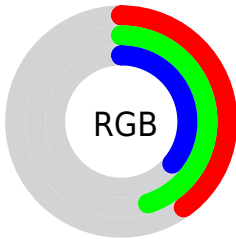
Format	Color
R_{YB}	93, 116, 106
Decimal	6779997
CIE _{Lab}	47.19, -9.48, 11.11
CIE _{LCh}	47, 14.603, 130.488
Yxy	16.1647, 0.3233, 0.3783
Android (android.graphics.Color)	4284970077 (0xFF67745D)
YUV	109.4910, -8.1301, -5.6926
Hunter-Lab	40.2053, -9.0261, 9.3447

Details

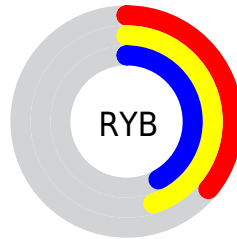
The XYZ color **13.8147, 16.1647, 12.7479** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.0113, 12.1543, 18.1842**, and the grayscale version is **14.6984, 15.4638, 16.8401**.

A 20% lighter version of the original color is **32.2870, 36.8585, 31.3993**, and **4.2111, 5.1802, 3.4673** is the 20% darker color. If you saturate the color by 10%, you get **12.6166, 15.6025, 10.2102**, and if you desaturate by 10%, it is **15.1506, 16.7899, 15.6997**.

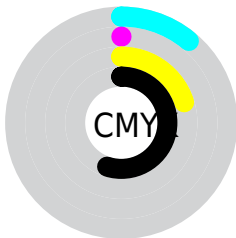
Distribution



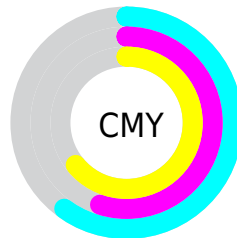
- Red (40%)
- Green (45%)
- Blue (36%)



- Red (36%)
- Yellow (45%)
- Blue (42%)



- Cyan (11%)
- Magenta (0%)
- Yellow (20%)
- Black (55%)



- Cyan (60%)
- Magenta (55%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8147, 16.1647, 12.7479 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 13.8147, 16.1647, 12.7479 by changing the saturation by 10% instead.

■ 13.8147, 16.1647,
12.7479

■ 13.8147, 16.1647,
12.7479

209.6088,
230.3116, 220.4464

■ 8.0727, 9.6408,
7.1265

■ 32.3489, 36.8839,
31.5346

■ 4.1937, 5.1614,
3.4617

■ 45.8718, 51.8480,
45.5371

■ 1.8123, 2.3423,
1.3349

■ 62.7192, 70.3942,
63.1703

■ 0.5251, 0.7960,
0.0902

■ 83.2562, 92.9070,
84.8527

■ 0.0000, 0.0000,
0.0000

107.8483,
119.7707, 111.0030

136.8609,

151.3698, 142.0397

170.6593,
188.0886, 178.3813

■ 13.8147, 16.1647,
12.7479

■ 13.8147, 16.1647,
12.7479

■ 12.6166, 15.6025,
10.2102

■ 15.1506, 16.7899,
15.6997

■ 11.5503, 15.0991,
8.0670

■ 16.6277, 17.4780,
19.0818

■ 10.6109, 14.6530,
6.2988

■ 18.2506, 18.2316,
22.9109

■ 9.7929, 14.2618,
4.8838

■ 20.0237, 19.0525,
27.2026

■ 9.0903, 13.9229,
3.7983

■ 21.9507, 19.9424,
31.9716

■ 8.4965, 13.6334,
3.0155

■ 24.0357, 20.9030,
37.2319

■ 8.0038, 13.3903,
2.5041

■ 26.2822, 21.9358,
42.9971

■ 7.5890, 13.1839,
2.1505

■ 28.6938, 23.0425,
49.2802

■ 7.5824, 13.1805,
2.1445

■ 31.2739, 24.2244,
56.0936

Harmonies

Analogous

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



14.9186, 16.1647, 11.5182



13.8147, 16.1647, 12.7479



13.1504, 16.1647, 15.3409

Triad

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



13.8147, 16.1647, 12.7479



14.5533, 16.1647, 25.1501



17.9244, 16.1647, 16.3435

Complementary

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



13.8147, 16.1647, 12.7479



13.0113, 12.1543, 18.1842

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.



17.8131, 16.1647, 20.0720



13.8147, 16.1647, 12.7479



15.8183, 16.1647, 25.5175

Square

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



13.8147, 16.1647, 12.7479



13.5601, 16.1647, 22.6075



17.0251, 16.1647, 23.5508



17.3213, 16.1647, 13.3936

Rectangle

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



13.8147, 16.1647, 12.7479



13.0230, 16.1647, 17.6609



17.0251, 16.1647, 23.5508



17.9701, 16.1647, 17.5404

Sweetspot

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



13.8151, 16.1654, 12.7483



27.5559, 29.9436, 29.6920



14.2969, 14.7400, 12.4477



6.5446, 7.1299, 7.0169



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.



13.8151, 16.1654, 12.7483



23.2469, 27.9282, 20.1873



12.7872, 15.6296, 12.9681



3.7776, 4.1688, 3.9479



8.4880, 14.7801, 2.4055



40.4165, 71.5372, 11.6779

Inverse Universe

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



13.0113, 12.1543, 18.1842



21.5493, 19.4589, 31.6647



14.2034, 12.7765, 17.8928



3.6802, 3.6824, 4.6071



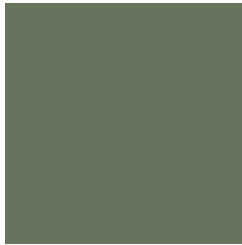
6.0055, 2.6873, 18.7447



28.2691, 12.5818, 91.2989

Previews

White Background



This preview shows how the XYZ color 13.8147, 16.1647, 12.7479 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 13.8147, 16.1647, 12.7479 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 13.8147, 16.1647, 12.7479

Background



This preview shows how black text looks on a background with the XYZ color 13.8147, 16.1647, 12.7479.



This preview shows how white text looks on a background with the XYZ color 13.8147, 16.1647,

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

13.8147, 16.1647, 12.7479

Protanopia

15.0440, 15.9758, 12.1883

Deuteranopia

16.3765, 16.0087, 13.0533



Tritanopia

15.3088, 16.0946, 20.3889

Trichromacy



Original Color

13.8147, 16.1647, 12.7479

Protanomaly

14.6469, 16.0937, 12.4596

Deuteranomaly

15.3420, 15.9531, 12.8603

Tritanomaly

14.7182, 16.0221, 17.3558

Monochromacy



Original Color

13.8147, 16.1647, 12.7479

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.3058, 15.6934, 15.1071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8147, 16.1647, 12.7479 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(103, 116, 93)` looks like.

```
.text, #text, p{  
    color:rgb(103, 116, 93)  
}
```

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(103, 116, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 116, 93) }
```

Border

The CSS property to change the border of an element to XYZ 13.8147, 16.1647, 12.7479 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(103, 116, 93) }
```


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

```
.border{ border-color:rgb(103, 116, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 116, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 116, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 116, 93);  
box-shadow:4px 4px 4px 4px rgb(103, 116,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8147, 16.1647, 12.7479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 116, 93) }
```

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

```
.background{ background-color: rgb(103,  
116, 93) }
```

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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