

Converting Colors

XYZ(13.6021, 15.1388, 12.6785)

Have a look what the booklet for
XYZ(13.6021, 15.1388, 12.6785)
contains.

XYZ(13.6487, 15.2412, 12.8122)	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(13.6487, 15.2412,
12.8122)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6F5E
RGB	106, 111, 94
RGB Percent	42%, 44%, 37%
CMY	0.5843, 0.5647, 0.6314
CMYK	0.05, 0.00, 0.15, 0.56
HSL	78°, 8%, 40%
HSV	78°, 15%, 44%
XYZ	13.6487, 15.2412, 12.8122
YIQ	107.5670, 2.4770, -6.3470

Conversions

Conversions Part 2

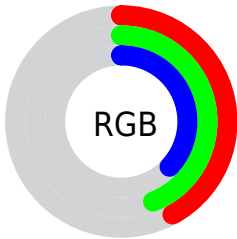
Format	Color
RYB	94, 111, 99
Decimal	6975326
CIELab	45.96, -5.25, 8.83
CIELCh	46, 10.270, 120.744
Yxy	15.2412, 0.3273, 0.3655
Android (android.graphics.Color)	4285165406 (0xFF6A6F5E)
YUV	107.5670, -6.6885, -1.3743
Hunter-Lab	39.0400, -5.9149, 7.8701

Details

The XYZ color **13.6487, 15.2412, 12.8122** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.0181, 11.8062, 16.6851**, and the grayscale version is **14.1507, 14.8877, 16.2127**.

A 20% lighter version of the original color is **32.0359, 35.3761, 31.5254**, and **4.1146, 4.6982, 3.4863** is the 20% darker color. If you saturate the color by 10%, you get **12.8054, 14.8604, 10.3570**, and if you desaturate by 10%, it is **14.5793, 15.6596, 15.6461**.

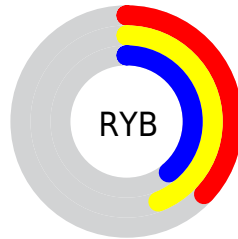
Distribution



Red (42%)

Green (44%)

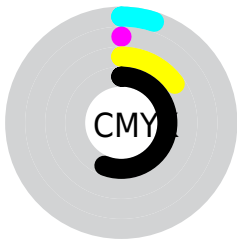
Blue (37%)



Red (37%)

Yellow (44%)

Blue (39%)

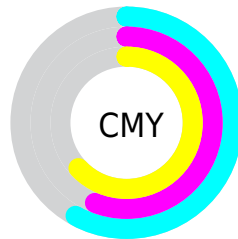


Cyan (5%)

Magenta (0%)

Yellow (15%)

Black (56%)



Cyan (58%)

Magenta (56%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6487, 15.2412, 12.8122 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 13.6487, 15.2412, 12.8122 by changing the saturation by 10% instead.

■ 13.6487, 15.2412,
12.8122

■ 13.6487, 15.2412,
12.8122

208.5889,
224.8215, 220.8759

■ 7.9568, 8.9888,
7.1702

■ 32.0559, 35.2758,
31.6522

■ 4.1189, 4.7339,
3.4887

■ 45.5019, 49.8268,
45.6872

■ 1.7696, 2.0920,
1.3493

■ 62.2633, 67.9127,
63.3570

■ 0.4993, 0.6601,
0.1017

■ 82.7055, 89.9181,
85.0801

■ 0.0000, 0.0000,
0.0000

107.1938,
116.2273, 111.2750

136.0935,

147.2247, 142.3602

169.7701,
183.2946, 178.7544

■ 13.6487, 15.2412,
12.8122

■ 13.6487, 15.2412,
12.8122

■ 12.8054, 14.8604,
10.3570

■ 14.5793, 15.6596,
15.6461

■ 12.0449, 14.5139,
8.2635

■ 15.5989, 16.1149,
18.8729

■ 11.3643, 14.2010,
6.5148

■ 16.7109, 16.6089,
22.5071

■ 10.7597, 13.9202,
5.0923

■ 17.9179, 17.1426,
26.5622

■ 10.2273, 13.6699,
3.9758

■ 19.2226, 17.7172,
31.0512

■ 9.7624, 13.4482,
3.1425

■ 20.6275, 18.3336,
35.9864

■ 9.3602, 13.2532,
2.5668

■ 22.1349, 18.9929,
41.3797

■ 9.0109, 13.0809,
2.1992

■ 23.7472, 19.6960,
47.2426

■ 8.8549, 13.0038,
2.0433

■ 25.4666, 20.4438,
53.5860

Harmonies

Analogous

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



14.4646, 15.2412, 12.2548



13.6487, 15.2412, 12.8122



13.0767, 15.2412, 14.3643

Triad

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



13.6487, 15.2412, 12.8122



13.6849, 15.2412, 21.1306



16.2224, 15.2412, 16.5330

Complementary

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



13.6487, 15.2412, 12.8122



12.0181, 11.8062, 16.6851

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.



15.9937, 15.2412, 19.0457



13.6487, 15.2412, 12.8122



14.5080, 15.2412, 21.8554

Square

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



13.6487, 15.2412, 12.8122



13.0970, 15.2412, 19.1639



15.3575, 15.2412, 21.0577



15.9706, 15.2412, 14.2667

Rectangle

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



13.6487, 15.2412, 12.8122



12.8987, 15.2412, 15.8371



15.3575, 15.2412, 21.0577



16.1991, 15.2412, 17.3769

Sweetspot

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



13.6491, 15.2419, 12.8125



26.1368, 28.0539, 28.1135



13.0210, 13.0771, 12.4278



6.2564, 6.7296, 6.6833



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



13.6491, 15.2419, 12.8125



23.9438, 27.0680, 21.4744



12.7082, 14.7568, 12.7685



3.5509, 3.8694, 3.6330



10.4075, 15.3090, 2.4064



50.9522, 75.8009, 11.9456

Inverse Universe

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



12.0181, 11.8062, 16.6851



20.4922, 19.7965, 29.6708



12.9740, 12.2990, 16.7299



3.3013, 3.3436, 4.2256



4.0831, 1.7143, 17.8373



19.5731, 8.1447, 88.8196

Previews

White Background



This preview shows how the XYZ color 13.6487, 15.2412, 12.8122 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 13.6487, 15.2412, 12.8122 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

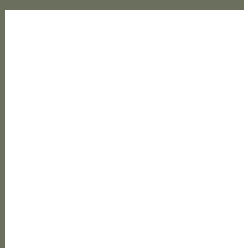
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.6487, 15.2412, 12.8122

Background



This preview shows how black text looks on a background with the XYZ color 13.6487, 15.2412, 12.8122.



This preview shows how white text looks on a background with the XYZ color 13.6487, 15.2412,

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

13.6487, 15.2412, 12.8122

Protanopia

14.2778, 15.0928, 12.5166

Deuteranopia

15.4293, 15.2145, 12.9499



Tritanopia

14.8216, 15.2373, 18.6829

Trichromacy



Original Color

13.6487, 15.2412, 12.8122

Protanomaly

14.0000, 15.1071, 12.5340

Deuteranomaly

14.6594, 15.1235, 12.9730

Tritanomaly

14.3598, 15.2081, 16.3660

Monochromacy



Original Color

13.6487, 15.2412, 12.8122

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.9802, 15.0424, 14.9986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6487, 15.2412, 12.8122 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(106, 111, 94)` looks like.

```
.text, #text, p{  
    color:rgb(106, 111, 94)  
}
```

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(106, 111, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 111, 94) }
```

Border

The CSS property to change the border of an element to XYZ 13.6487, 15.2412, 12.8122 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(106, 111, 94) }
```


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

```
.border{ border-color:rgb(106, 111, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 111, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 111, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 111, 94);  
box-shadow:4px 4px 4px 4px rgb(106, 111,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6487, 15.2412, 12.8122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 111, 94) }
```

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

```
.background{ background-color: rgb(106,  
111, 94) }
```

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