

Converting Colors

XYZ(13.9238, 16.4789, 11.2238)

Have a look what the booklet for
XYZ(13.9238, 16.4789, 11.2238)
contains.

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Color

**XYZ(13.8667, 16.3977,
11.2383)**

Conversions

Conversions Part 1

Format	Color
Hex	697556
RGB	105, 117, 86
RGB Percent	41%, 46%, 34%
CMY	0.5882, 0.5412, 0.6627
CMYK	0.10, 0.00, 0.26, 0.54
HSL	83°, 15%, 40%
HSV	83°, 26%, 46%
XYZ	13.8667, 16.3977, 11.2383
YIQ	109.8780, 2.7990, -12.1850

Conversions

Conversions Part 2

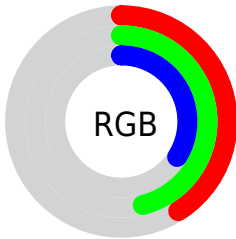
Format	Color
R_{YB}	86, 117, 98
Decimal	6911318
CIE _{Lab}	47.49, -10.45, 15.65
CIE _{LCh}	47, 18.823, 123.739
Yxy	16.3977, 0.3341, 0.3951
Android (android.graphics.Color)	4285101398 (0xFF697556)
YUV	109.8780, -11.7719, -4.2780
Hunter-Lab	40.4941, -9.7395, 11.8911

Details

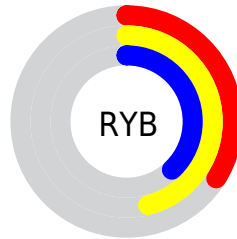
The XYZ color **13.8667, 16.3977, 11.2383** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.5763, 10.5370, 18.2542**, and the grayscale version is **14.8185, 15.5902, 16.9777**.

A 20% lighter version of the original color is **32.3422, 37.2214, 28.7724**, and **4.1985, 5.2793, 2.8052** is the 20% darker color. If you saturate the color by 10%, you get **12.9156, 15.9580, 8.9313**, and if you desaturate by 10%, it is **14.9242, 16.8844, 13.9539**.

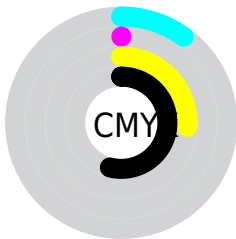
Distribution



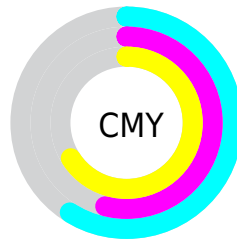
- Red (41%)
- Green (46%)
- Blue (34%)



- Red (34%)
- Yellow (46%)
- Blue (38%)



- Cyan (10%)
- Magenta (0%)
- Yellow (26%)
- Black (54%)



- Cyan (59%)
- Magenta (54%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8667, 16.3977, 11.2383 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 13.8667, 16.3977, 11.2383 by changing the saturation by 10% instead.

■ 13.8667, 16.3977,
11.2383

■ 13.8667, 16.3977,
11.2383

209.9272,
231.6772, 210.0910

■ 8.1091, 9.8060,
6.1112

■ 32.4406, 37.2873,
28.7433

■ 4.2172, 5.2705,
2.8429

■ 45.9875, 52.3539,
41.9583

■ 1.8257, 2.4069,
1.0150

■ 62.8617, 71.0144,
58.7064

■ 0.5331, 0.8294,
0.0000

■ 83.4283, 93.6530,
79.4060

■ 0.0000, 0.0000,
0.0000

■ 108.0528,
120.6542, 104.4757

137.1006,

152.4024, 134.3341

170.9369,
189.2819, 169.3997

■ 13.8667, 16.3977,
11.2383

■ 13.8667, 16.3977,
11.2383

■ 12.9156, 15.9580,
8.9313

■ 14.9242, 16.8844,
13.9539

■ 12.0654, 15.5613,
7.0120

■ 16.0908, 17.4175,
17.0954

■ 11.3120, 15.2065,
5.4594

■ 17.3706, 17.9992,
20.6806

■ 10.6506, 14.8916,
4.2499

■ 18.7671, 18.6310,
24.7257

■ 10.0756, 14.6143,
3.3573

■ 20.2836, 19.3143,
29.2463

■ 9.5810, 14.3722,
2.7515

■ 21.9233, 20.0504,
34.2572

■ 9.1539, 14.1601,
2.3684

■ 23.6893, 20.8406,
39.7725

■ 9.0122, 14.0896,
2.2446

■ 25.5846, 21.6860,
45.8058

■ 27.6119, 22.5880,
52.3701

Harmonies

Analogous

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



15.3767, 16.3977, 10.1505



13.8667, 16.3977, 11.2383



12.8757, 16.3977, 14.0814

Triad

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



13.8667, 16.3977, 11.2383



14.2055, 16.3977, 27.4531



19.0199, 16.3977, 17.2603

Complementary

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



13.8667, 16.3977, 11.2383



11.5763, 10.5370, 18.2542

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.



18.6511, 16.3977, 22.2473



13.8667, 16.3977, 11.2383



15.7962, 16.3977, 28.7121

Square

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



13.8667, 16.3977, 11.2383



13.0613, 16.3977, 23.4739



17.4408, 16.3977, 26.6606



18.4157, 16.3977, 13.2118

Rectangle

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



13.8667, 16.3977, 11.2383



12.6023, 16.3977, 16.8686



17.4408, 16.3977, 26.6606



19.0058, 16.3977, 18.8776

Sweetspot

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



13.8671, 16.3984, 11.2387



28.4412, 31.0187, 29.5940



13.3732, 13.1679, 10.6411



6.4772, 7.1034, 6.6356



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.



13.8671, 16.3984, 11.2387



23.7307, 28.8548, 17.4262



12.2207, 15.5497, 11.1616



3.8359, 4.1989, 3.9506



9.9114, 15.5139, 2.4721



47.3200, 75.0961, 12.0010

Inverse Universe

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



11.5763, 10.5370, 18.2542



18.8717, 16.4192, 32.3116



13.3987, 11.4765, 18.3395



3.6223, 3.6526, 4.6043



4.7279, 2.0287, 18.6849



22.1427, 9.4235, 91.0121

Previews

White Background



This preview shows how the XYZ color 13.8667, 16.3977, 11.2383 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 13.8667, 16.3977, 11.2383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

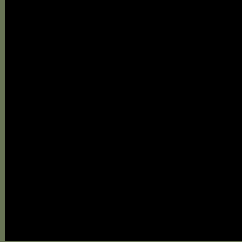
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

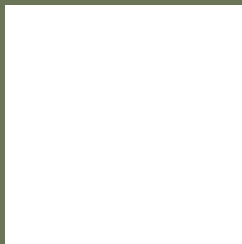
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8667, 16.3977, 11.2383

Background



This preview shows how black text looks on a background with the XYZ color 13.8667, 16.3977, 11.2383.



This preview shows how white text looks on a background with the XYZ color 13.8667, 16.3977,

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

13.8667, 16.3977, 11.2383

Protanopia

15.2796, 16.2934, 10.7271

Deuteranopia

16.6397, 16.3352, 11.5085



Tritanopia

15.6758, 16.2838, 20.4060

Trichromacy



Original Color

13.8667, 16.3977, 11.2383

Protanomaly

14.7272, 16.3353, 10.9712

Deuteranomaly

15.4308, 16.1946, 11.3294

Tritanomaly

14.9084, 16.3055, 16.5489

Monochromacy



Original Color

13.8667, 16.3977, 11.2383

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.4384, 15.9380, 14.6273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8667, 16.3977, 11.2383 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(105, 117, 86)` looks like.

```
.text, #text, p{  
    color:rgb(105, 117, 86)  
}
```

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(105, 117, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 117, 86) }
```

Border

The CSS property to change the border of an element to XYZ 13.8667, 16.3977, 11.2383 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(105, 117, 86) }
```


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

```
.border{ border-color:rgb(105, 117, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 117, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 117, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 117, 86);  
box-shadow:4px 4px 4px 4px rgb(105, 117,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8667, 16.3977, 11.2383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 117, 86) }
```

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

```
.background{ background-color: rgb(105,  
117, 86) }
```

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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