

Converting Colors

XYZ(12.7826, 15.8327, 11.4854)

Have a look what the booklet for
XYZ(12.7826, 15.8327, 11.4854)
contains.

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Color

**XYZ(12.8009, 15.8436,
11.4003)**

Conversions

Conversions Part 1

Format	Color
Hex	5F7557
RGB	95, 117, 87
RGB Percent	37%, 46%, 34%
CMY	0.6274, 0.5412, 0.6588
CMYK	0.19, 0.00, 0.26, 0.54
HSL	104°, 15%, 40%
HSV	104°, 26%, 46%
XYZ	12.8009, 15.8436, 11.4003
YIQ	107.0020, -3.4820, -13.9940

Conversions

Conversions Part 2

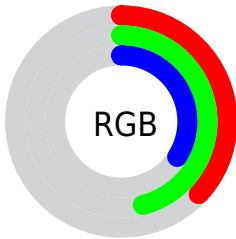
Format	Color
RYB	87, 117, 109
Decimal	6255959
CIELab	46.77, -14.26, 13.96
CIELCh	47, 19.954, 135.617
Yxy	15.8436, 0.3197, 0.3956
Android (android.graphics.Color)	4284446039 (0xFF5F7557)
YUV	107.0020, -9.8610, -10.5258
Hunter-Lab	39.8040, -12.2518, 10.8815

Details

The XYZ color **12.8009, 15.8436, 11.4003** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.9265, 11.3525, 18.3404**, and the grayscale version is **14.0032, 14.7324, 16.0436**.

A 20% lighter version of the original color is **30.5574, 36.2931, 29.0616**, and **3.7473, 5.0447, 2.8740** is the 20% darker color. If you saturate the color by 10%, you get **11.5184, 15.2338, 9.0441**, and if you desaturate by 10%, it is **14.2599, 16.5364, 14.1700**.

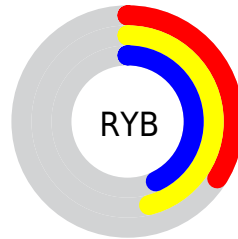
Distribution



Red (37%)

Green (46%)

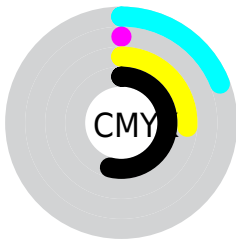
Blue (34%)



Red (34%)

Yellow (46%)

Blue (43%)

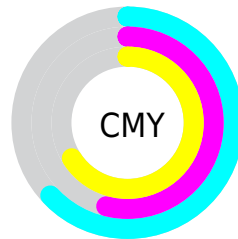


Cyan (19%)

Magenta (0%)

Yellow (26%)

Black (54%)



Cyan (63%)

Magenta (54%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8009, 15.8436, 11.4003 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 12.8009, 15.8436, 11.4003 by changing the saturation by 10% instead.

■ 12.8009, 15.8436,
11.4003

■ 12.8009, 15.8436,
11.4003

203.3012,
228.4171, 211.2287

■ 7.3676, 9.4135,
6.2192

■ 30.5500, 36.3265,
29.0459

■ 3.7414, 5.0119,
2.9079

■ 43.5965, 51.1481,
42.3476

■ 1.5569, 2.2542,
1.0478

■ 59.9116, 69.5357,
59.1931

■ 0.3641, 0.7493,
0.0000

■ 79.8604, 91.8736,
80.0011

■ 0.0000, 0.0000,
0.0000

■ 103.8084,
118.5464, 105.1902

132.1210,

149.9382, 135.1787

165.1635,
186.4337, 170.3854

■ 12.8009, 15.8436,
11.4003

■ 12.8009, 15.8436,
11.4003

■ 11.5184, 15.2338,
9.0441

■ 14.2599, 16.5364,
14.1700

■ 10.4044, 14.7018,
7.0805

■ 15.9007, 17.3132,
17.3705

■ 9.4518, 14.2449,
5.4885

■ 17.7299, 18.1773,
21.0196

■ 8.6527, 13.8597,
4.2445

■ 19.7534, 19.1314,
25.1337

■ 7.9984, 13.5421,
3.3226

■ 21.9766, 20.1782,
29.7282

■ 7.4793, 13.2879,
2.6928

■ 24.4052, 21.3200,
34.8181

■ 7.0805, 13.0906,
2.3000

■ 27.0441, 22.5592,
40.4175

■ 6.9326, 13.0176,
2.1473

■ 29.8984, 23.8981,
46.5400

■ 32.9728, 25.3388,
53.1988

Harmonies

Analogous

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



14.1796, 15.8436, 9.5962



12.8009, 15.8436, 11.4003



12.0564, 15.8436, 14.9875

Triad

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



12.8009, 15.8436, 11.4003



14.2463, 15.8436, 28.2436



18.5011, 15.8436, 14.8075

Complementary

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



12.8009, 15.8436, 11.4003



12.9265, 11.3525, 18.3404

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.



18.5225, 15.8436, 19.7316



12.8009, 15.8436, 11.4003



15.9738, 15.8436, 28.1697

Square

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



12.8009, 15.8436, 11.4003



12.8465, 15.8436, 25.0090



17.5679, 15.8436, 24.8233



17.5117, 15.8436, 11.2904

Rectangle

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



12.8009, 15.8436, 11.4003



11.9804, 15.8436, 18.2019



17.5679, 15.8436, 24.8233



18.6242, 15.8436, 16.3337

Sweetspot

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



12.8013, 15.8443, 11.4006



27.6868, 30.6298, 29.5587



14.5257, 15.4080, 11.2256



6.2790, 7.0013, 6.6263



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.



12.8013, 15.8443, 11.4006



21.4710, 27.6808, 17.7300



12.3127, 15.5577, 12.9440



3.7238, 4.1411, 3.9453



7.6243, 14.3348, 2.3651



36.4439, 69.4893, 11.4920

Inverse Universe

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



12.9265, 11.3525, 18.3404



21.7346, 18.1258, 32.4901



13.5594, 11.7245, 16.3009



3.7360, 3.7112, 4.6097



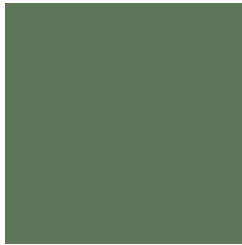
7.7314, 3.5770, 18.8255



36.8326, 16.9964, 91.6996

Previews

White Background



This preview shows how the XYZ color 12.8009, 15.8436, 11.4003 looks on a white background.

Color Contrast Check

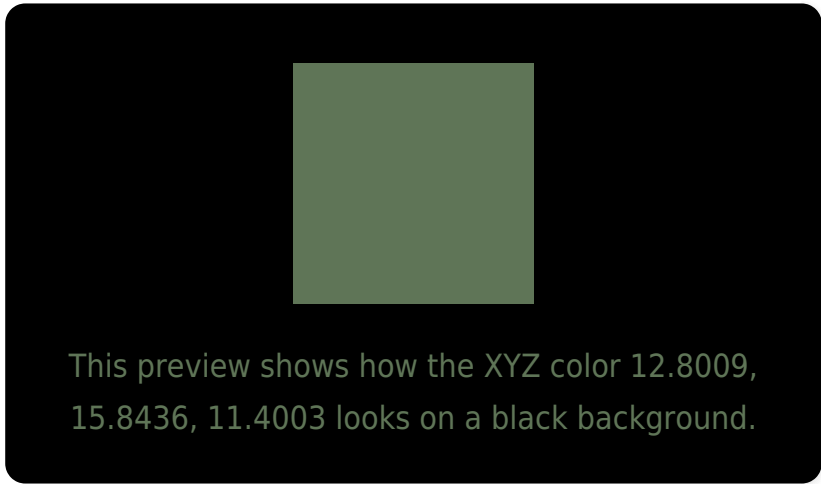
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

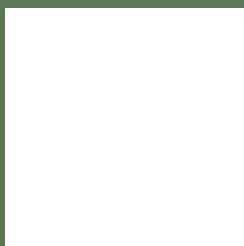
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8009, 15.8436, 11.4003

Background



This preview shows how black text looks on a background with the XYZ color 12.8009, 15.8436, 11.4003.



This preview shows how white text looks on a background with the XYZ color 12.8009, 15.8436,

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

12.8009, 15.8436, 11.4003

Protanopia

14.6474, 15.6435, 10.6350

Deuteranopia

16.0105, 15.6965, 11.6371



Tritanopia

14.6122, 15.7355, 20.3563

Trichromacy



Original Color

12.8009, 15.8436, 11.4003

Protanomaly

13.9752, 15.7811, 10.9038

Deuteranomaly

14.6735, 15.6383, 11.4776

Tritanomaly

13.9232, 15.7914, 16.7822

Monochromacy



Original Color

12.8009, 15.8436, 11.4003

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.5782, 15.1725, 14.2695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8009, 15.8436, 11.4003 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(95, 117, 87) looks like.

```
.text, #text, p{  
    color:rgb(95, 117, 87)  
}
```

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(95, 117, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 117, 87) }
```

Border

The CSS property to change the border of an element to XYZ 12.8009, 15.8436, 11.4003 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(95, 117, 87) }
```


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

```
.border{ border-color:rgb(95, 117, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 117, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 117, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 117, 87);  
box-shadow:4px 4px 4px 4px rgb(95, 117,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8009, 15.8436, 11.4003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 117, 87) }
```

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

```
.background{ background-color: rgb(95, 117,  
87) }
```

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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