

Converting Colors

XYZ(13.0699, 11.5077, 13.5936)

Have a look what the booklet for
XYZ(13.0699, 11.5077, 13.5936)
contains.

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Color

**XYZ(13.0446, 11.5184,
13.5923)**

Conversions

Conversions Part 1

Format	Color
Hex	755764
RGB	117, 87, 100
RGB Percent	46%, 34%, 39%
CMY	0.5412, 0.6588, 0.6078
CMYK	0.00, 0.26, 0.15, 0.54
HSL	334°, 15%, 40%
HSV	334°, 26%, 46%
XYZ	13.0446, 11.5184, 13.5923
YIQ	97.4520, 13.7070, 10.4030

Conversions

Conversions Part 2

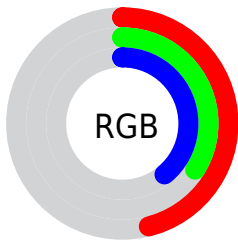
Format	Color
R_{YB}	117, 87, 100
Decimal	7690084
CIE _{Lab}	40.44, 14.63, -2.64
CIE _{LCh}	40, 14.870, 349.754
Yxy	11.5184, 0.3419, 0.3019
Android (android.graphics.Color)	4285880164 (0xFF755764)
YUV	97.4520, 1.2562, 17.1436
Hunter-Lab	33.9388, 9.2149, 0.0118

Details

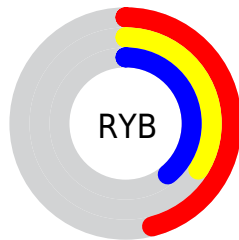
The XYZ color **13.0446, 11.5184, 13.5923** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **12.7910, 15.7487, 15.4632**, and the grayscale version is **11.4685, 12.0658, 13.1396**.

A 20% lighter version of the original color is **30.8938, 28.5607, 33.1626**, and **3.8194, 3.0719, 3.7598** is the 20% darker color. If you saturate the color by 10%, you get **11.8651, 9.6522, 11.6797**, and if you desaturate by 10%, it is **14.4044, 13.7032, 15.6942**.

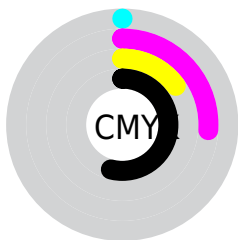
Distribution



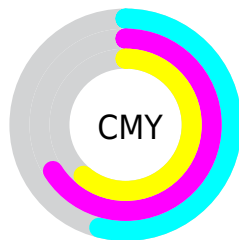
- Red (46%)
- Green (34%)
- Blue (39%)



- Red (46%)
- Yellow (34%)
- Blue (39%)



- Cyan (0%)
- Magenta (26%)
- Yellow (15%)
- Black (54%)



- Cyan (54%)
- Magenta (66%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0446, 11.5184, 13.5923 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 13.0446, 11.5184, 13.5923 by changing the saturation by 10% instead.

■ 13.0446, 11.5184,
13.5923

■ 13.0446, 11.5184,
13.5923

204.8351,
201.1904, 226.0191

■ 7.5365, 6.4167,
7.7022

■ 30.9845, 28.6149,
33.0705

■ 3.8491, 3.1001,
3.8199

■ 44.1470, 41.3784,
47.4956

■ 1.6171, 1.1842,
1.5271

■ 60.5917, 57.4646,
65.6029

■ 0.4035, 0.0487,
0.2380

■ 80.6839, 77.2580,
87.8107

■ 0.0000, 0.0000,
0.0000

■ 104.7890,
101.1428, 114.5377

133.2723,

129.5036, 146.2024

166.4993,
162.7246, 183.2234

■ 13.0446, 11.5184,
13.5923

■ 13.0446, 11.5184,
13.5923

■ 11.8651, 9.6522,
11.6797

■ 14.4044, 13.7032,
15.6942

■ 10.8570, 8.0880,
9.9500

■ 15.9511, 16.2191,
17.9900

■ 10.0119, 6.8101,
8.3972

■ 17.6921, 19.0798,
20.4854

■ 9.3204, 5.8006,
7.0151

■ 19.6339, 22.2977,
23.1851

■ 8.7720, 5.0399,
5.7967

■ 21.7830, 25.8846,
26.0941

■ 8.3550, 4.5053,
4.7343

■ 24.1454, 29.8519,
29.2170

■ 8.0478, 4.1552,
3.8171

■ 26.7269, 34.2102,
32.5582

■ 7.9271, 4.0183,
3.4546

■ 29.5331, 38.9701,
36.1221

■ 32.5695, 44.1415,
39.9129

Harmonies

Analogous

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



12.5528, 11.5184, 16.6349



13.0446, 11.5184, 13.5923



12.9480, 11.5184, 10.6970

Triad

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



13.0446, 11.5184, 13.5923



10.2833, 11.5184, 7.8714



9.7014, 11.5184, 17.4617

Complementary

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



13.0446, 11.5184, 13.5923



12.7910, 15.7487, 15.4632

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.



9.1651, 11.5184, 14.5868



13.0446, 11.5184, 13.5923



9.4860, 11.5184, 9.1817

Square

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



13.0446, 11.5184, 13.5923



11.3089, 11.5184, 7.6920



9.0888, 11.5184, 11.5465



10.5947, 11.5184, 19.0927

Rectangle

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



13.0446, 11.5184, 13.5923



12.5649, 11.5184, 9.2125



9.0888, 11.5184, 11.5465



9.4759, 11.5184, 16.5892

Sweetspot

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



13.0449, 11.5189, 13.5925



27.8196, 27.8287, 31.1252



12.3285, 11.0444, 18.3119



6.3144, 6.2649, 7.0355



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.



13.0449, 11.5189, 13.5925



22.0204, 18.5014, 22.1900



12.6293, 11.6153, 10.5938



3.7437, 3.7248, 4.1772



8.7262, 4.4242, 3.7663



42.1101, 21.3942, 16.1749

Inverse Universe

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



13.0449, 11.5189, 13.5925



22.0204, 18.5014, 22.1900



13.2725, 15.5724, 19.1361



3.7437, 3.7248, 4.1772



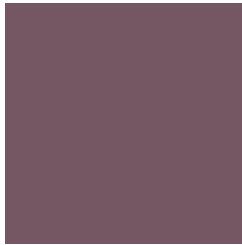
8.7262, 4.4242, 3.7663



42.1101, 21.3942, 16.1749

Previews

White Background



This preview shows how the XYZ color 13.0446, 11.5184, 13.5923 looks on a white background.

Color Contrast Check

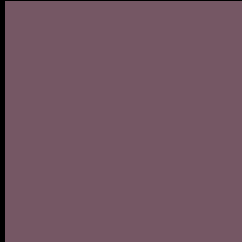
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0446, 11.5184, 13.5923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

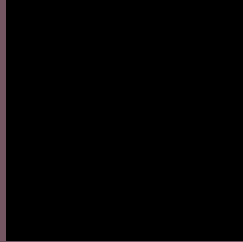
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0446, 11.5184, 13.5923

Background



This preview shows how black text looks on a background with the XYZ color 13.0446, 11.5184, 13.5923.



This preview shows how white text looks on a background with the XYZ color 13.0446, 11.5184,

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

13.0446, 11.5184, 13.5923

Protanopia

11.3613, 11.6372, 15.0120

Deuteranopia

11.7600, 11.6131, 13.4261



Tritanopia

12.7577, 11.5187, 12.3774

Trichromacy



Original Color

13.0446, 11.5184, 13.5923

Protanomaly

11.8688, 11.5171, 14.4294

Deuteranomaly

12.1776, 11.5712, 13.3960

Tritanomaly

12.8499, 11.5555, 12.8624

Monochromacy



Original Color

13.0446, 11.5184, 13.5923

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.8279, 11.6536, 13.1812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0446, 11.5184, 13.5923 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(117, 87, 100)` looks like.

```
.text, #text, p{  
    color:rgb(117, 87, 100)  
}
```

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(117, 87, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 87, 100) }
```

Border

The CSS property to change the border of an element to XYZ 13.0446, 11.5184, 13.5923 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(117, 87, 100) }
```


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

```
.border{ border-color:rgb(117, 87, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 87, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 87, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 87, 100);  
box-shadow:4px 4px 4px 4px rgb(117, 87,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0446, 11.5184, 13.5923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 87, 100) }
```

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

```
.background{ background-color: rgb(117, 87,  
100) }
```

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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