

Converting Colors

XYZ(13.4057, 11.4881, 21.7621)

Have a look what the booklet for
XYZ(13.4057, 11.4881, 21.7621)
contains.

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Color

**XYZ(13.4888, 11.5630,
21.9430)**

Conversions

Conversions Part 1

Format	Color
Hex	6C5780
RGB	108, 87, 128
RGB Percent	42%, 34%, 50%
CMY	0.5765, 0.6588, 0.4980
CMYK	0.16, 0.32, 0.00, 0.50
HSL	271°, 19%, 42%
HSV	271°, 32%, 50%
XYZ	13.4888, 11.5630, 21.9430
YIQ	97.9530, -0.6450, 17.2030

Conversions

Conversions Part 2

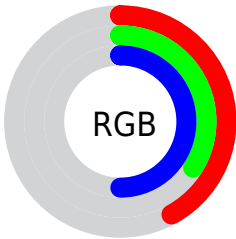
Format	Color
R_{YB}	108, 87, 128
Decimal	7100288
CIE _{Lab}	40.51, 17.21, -19.82
CIE _{LCh}	41, 26.253, 310.972
Yxy	11.5630, 0.2870, 0.2460
Android (android.graphics.Color)	4285290368 (0xFF6C5780)
YUV	97.9530, 14.8132, 8.8112
Hunter-Lab	34.0044, 11.2993, -14.4567

Details

The XYZ color **13.4888, 11.5630, 21.9430** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **15.5032, 19.2525, 11.9163**, and the grayscale version is **11.5625, 12.1647, 13.2473**.

A 20% lighter version of the original color is **31.7834, 28.7011, 47.5808**, and **4.0677, 3.1110, 7.7832** is the 20% darker color. If you saturate the color by 10%, you get **11.8106, 9.2937, 21.5936**, and if you desaturate by 10%, it is **15.4059, 14.2288, 22.3567**.

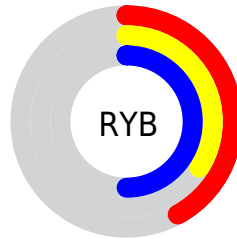
Distribution



Red (42%)

Green (34%)

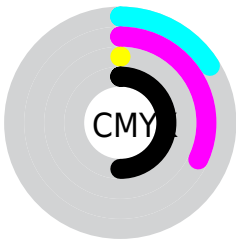
Blue (50%)



Red (42%)

Yellow (34%)

Blue (50%)

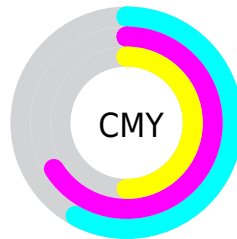


Cyan (16%)

Magenta (32%)

Yellow (0%)

Black (50%)



Cyan (58%)

Magenta (66%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4888, 11.5630, 21.9430 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 13.4888, 11.5630, 21.9430 by changing the saturation by 10% instead.

■ 13.4888, 11.5630,
21.9430

■ 13.4888, 11.5630,
21.9430

207.6019,
201.4904, 275.1923

■ 7.8453, 6.4469,
13.6171

■ 31.7731, 28.6967,
47.5528

■ 4.0471, 3.1187,
7.7191

■ 45.1446, 41.4830,
65.6737

■ 1.7288, 1.1940,
3.8306

■ 61.8228, 57.5948,
87.8967

■ 0.4742, 0.0568,
1.5329

■ 82.1731, 77.4165,
114.6404

■ 0.0000, 0.0000,
0.2422

■ 106.5607,
101.3325, 146.3232

■ 0.0000, 0.0000,
0.0000

135.3512,

129.7273, 183.3638

168.9098,
162.9851, 226.1806

■ 13.4888, 11.5630,
21.9430

■ 13.4888, 11.5630,
21.9430

■ 11.8106, 9.2937,
21.5936

■ 15.4059, 14.2288,
22.3567

■ 10.3594, 7.3996,
21.3045

■ 17.5709, 17.3083,
22.8370

■ 9.1238, 5.8592,
21.0723

■ 19.9936, 20.8194,
23.3870

■ 8.0908, 4.6485,
20.8931

■ 22.6831, 24.7782,
24.0094

■ 7.2457, 3.7401,
20.7623

■ 25.6477, 29.2005,
24.7067

6.5718, 3.1022,
20.6746

28.8955, 34.1008,
25.4814

6.1137, 2.7016,
20.6215

32.4344, 39.4933,
26.3357

36.2718, 45.3914,
27.2719

40.4148, 51.8081,
28.2921

Harmonies

Analogous

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



11.6806, 11.5630, 25.4566



13.4888, 11.5630, 21.9430



14.7035, 11.5630, 16.2080

Triad

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



13.4888, 11.5630, 21.9430



12.1900, 11.5630, 5.2119



7.8579, 11.5630, 14.6282

Complementary

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



13.4888, 11.5630, 21.9430



15.5032, 19.2525, 11.9163

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.



7.9616, 11.5630, 9.5552



13.4888, 11.5630, 21.9430



10.3277, 11.5630, 5.0091

Square

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



13.4888, 11.5630, 21.9430



13.8975, 11.5630, 7.0267



8.8211, 11.5630, 6.3635



8.5197, 11.5630, 20.5114

Rectangle

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



13.4888, 11.5630, 21.9430



14.9398, 11.5630, 12.4182



8.8211, 11.5630, 6.3635



7.8065, 11.5630, 12.7637

Sweetspot

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



13.4892, 11.5635, 21.9433



31.6698, 31.5295, 40.3729



13.1371, 14.2051, 22.4717



7.3015, 7.2188, 9.4269



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.4892, 11.5635, 21.9433



21.6827, 17.5509, 38.2011



16.2068, 12.9645, 22.0704



4.3024, 4.3115, 5.4187



6.0637, 2.6796, 20.4476



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.9644, 12.4675, 15.5280



24.7680, 19.4408, 24.8150



13.3703, 18.1530, 11.8164



4.4084, 4.3765, 4.9549



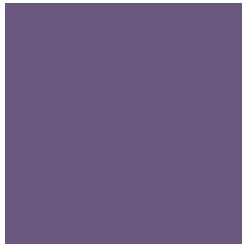
9.7019, 4.9005, 5.0200



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.4888, 11.5630, 21.9430 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 13.4888, 11.5630, 21.9430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

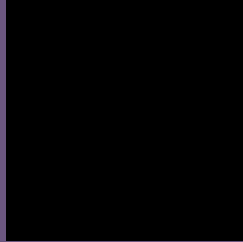
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4888, 11.5630, 21.9430

Background



This preview shows how black text looks on a background with the XYZ color 13.4888, 11.5630, 21.9430.



This preview shows how white text looks on a background with the XYZ color 13.4888, 11.5630,

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

13.4888, 11.5630, 21.9430

Protanopia

11.9619, 11.6115, 24.1650

Deuteranopia

11.8580, 11.6124, 21.6951



Tritanopia

11.8081, 11.6324, 13.6795

Trichromacy



Original Color

13.4888, 11.5630, 21.9430

Protanomaly

12.4201, 11.4753, 23.3901

Deuteranomaly

12.2912, 11.4474, 21.6404

Tritanomaly

12.3813, 11.6112, 16.3405

Monochromacy



Original Color

13.4888, 11.5630, 21.9430

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.2425, 11.9343, 16.1263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4888, 11.5630, 21.9430 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(108, 87, 128)` looks like.

```
.text, #text, p{  
    color:rgb(108, 87, 128)  
}
```

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(108, 87, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 87, 128) }
```

Border

The CSS property to change the border of an element to XYZ 13.4888, 11.5630, 21.9430 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(108, 87, 128) }
```


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

```
.border{ border-color:rgb(108, 87, 128) }
```

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

Here you see how a box with a 4 pixel rgb(108, 87, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 87, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 87, 128);  
box-shadow:4px 4px 4px 4px rgb(108, 87,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4888, 11.5630, 21.9430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 87, 128) }
```

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

```
.background{ background-color: rgb(108, 87,  
128) }
```

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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