

Converting Colors

XYZ(13.4042, 12.0475, 18.8837)

Have a look what the booklet for
XYZ(13.4042, 12.0475, 18.8837)
contains.

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Color

**XYZ(13.4415, 12.1052,
18.7676)**

Conversions

Conversions Part 1

Format	Color
Hex	6E5B76
RGB	110, 91, 118
RGB Percent	43%, 36%, 46%
CMY	0.5686, 0.6431, 0.5373
CMYK	0.07, 0.23, 0.00, 0.54
HSL	282°, 13%, 41%
HSV	282°, 23%, 46%
XYZ	13.4415, 12.1052, 18.7676
YIQ	99.7590, 2.6570, 12.4250

Conversions

Conversions Part 2

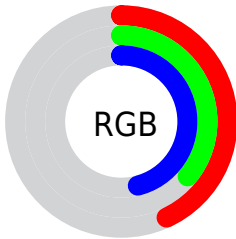
Format	Color
R_{YB}	110, 91, 118
Decimal	7232374
CIE _{Lab}	41.38, 13.16, -12.37
CIE _{LCh}	41, 18.060, 316.774
Yxy	12.1052, 0.3033, 0.2732
Android (android.graphics.Color)	4285422454 (0xFF6E5B76)
YUV	99.7590, 8.9928, 8.9814
Hunter-Lab	34.7925, 8.0735, -7.6271

Details

The XYZ color **13.4415, 12.1052, 18.7676** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **13.5128, 16.3652, 12.3448**, and the grayscale version is **12.0295, 12.6560, 13.7823**.

A 20% lighter version of the original color is **31.6809, 29.6334, 42.0803**, and **4.0305, 3.3431, 6.2272** is the 20% darker color. If you saturate the color by 10%, you get **12.0846, 10.0244, 18.4377**, and if you desaturate by 10%, it is **14.9749, 14.5131, 19.1517**.

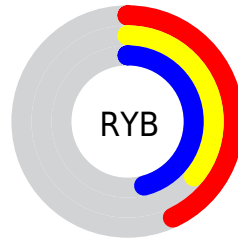
Distribution



Red (43%)

Green (36%)

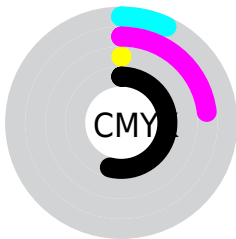
Blue (46%)



Red (43%)

Yellow (36%)

Blue (46%)

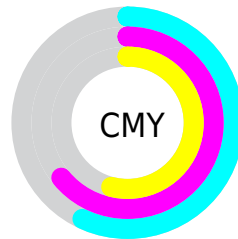


Cyan (7%)

Magenta (23%)

Yellow (0%)

Black (54%)



Cyan (57%)

Magenta (64%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4415, 12.1052, 18.7676 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 13.4415, 12.1052, 18.7676 by changing the saturation by 10% instead.

■ 13.4415, 12.1052,
18.7676

■ 13.4415, 12.1052,
18.7676

207.3090,
205.1005, 257.5426

■ 7.8124, 6.8154,
11.3274

■ 31.6893, 29.6866,
42.1725

■ 4.0259, 3.3469,
6.1705

■ 45.0387, 42.7469,
58.9742

■ 1.7168, 1.3154,
2.8786

■ 61.6922, 59.1661,
79.7335

■ 0.4667, 0.1531,
1.0330

■ 82.0152, 79.3287,
104.8689

■ 0.0000, 0.0000,
0.0000

■ 106.3730,
103.6191, 134.7990

135.1310,

132.4216, 169.9423

168.6546,
166.1206, 210.7173

■ 13.4415, 12.1052,
18.7676

■ 13.4415, 12.1052,
18.7676

■ 12.0846, 10.0244,
18.4377

■ 14.9749, 14.5131,
19.1517

■ 10.8956, 8.2544,
18.1587

■ 16.6909, 17.2606,
19.5916

■ 9.8667, 6.7795,
17.9282

■ 18.5964, 20.3612,
20.0897

■ 8.9888, 5.5823,
17.7434

■ 20.6979, 23.8274,
20.6479

■ 8.2522, 4.6433,
17.6010

■ 23.0014, 27.6709,
21.2684

7.6457, 3.9404,
17.4973

25.5126, 31.9030,
21.9529

7.1554, 3.4464,
17.4278

28.2371, 36.5346,
22.7033

6.8405, 3.1486,
17.3869

31.1802, 41.5758,
23.5213

34.3469, 47.0368,
24.4084

Harmonies

Analogous

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



12.2484, 12.1052, 21.3694



13.4415, 12.1052, 18.7676



14.1376, 12.1052, 14.9018

Triad

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



13.4415, 12.1052, 18.7676



12.0919, 12.1052, 7.3287



9.2574, 12.1052, 15.3753

Complementary

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



13.4415, 12.1052, 18.7676



13.5128, 16.3652, 12.3448

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.



9.2225, 12.1052, 11.5972



13.4415, 12.1052, 18.7676



10.7935, 12.1052, 7.4072

Square

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



13.4415, 12.1052, 18.7676



13.3195, 12.1052, 8.5896



9.7652, 12.1052, 8.8294



9.8644, 12.1052, 19.1705

Rectangle

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



13.4415, 12.1052, 18.7676



14.1942, 12.1052, 12.3473



9.7652, 12.1052, 8.8294



9.1800, 12.1052, 14.0504

Sweetspot

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



13.4419, 12.1057, 18.7679



28.0117, 28.1999, 34.1037



12.0562, 12.4753, 18.9122



6.4132, 6.4400, 7.8340



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.



13.4419, 12.1057, 18.7679



22.4534, 19.4616, 32.7100



14.1708, 12.5175, 17.1745



3.7260, 3.7061, 4.6092



7.3876, 3.3998, 18.8094



35.1107, 16.1087, 91.6190

Inverse Universe

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



13.4649, 12.2351, 13.4569



22.5306, 19.7458, 21.6696



12.9230, 16.0332, 13.5773



3.7245, 3.7171, 4.0759



8.4054, 4.2959, 2.0768



40.6262, 20.8006, 8.3607

Previews

White Background



This preview shows how the XYZ color 13.4415, 12.1052, 18.7676 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 13.4415, 12.1052, 18.7676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

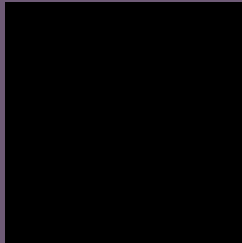
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4415, 12.1052, 18.7676

Background



This preview shows how black text looks on a background with the XYZ color 13.4415, 12.1052, 18.7676.



This preview shows how white text looks on a background with the XYZ color 13.4415, 12.1052,

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

13.4415, 12.1052, 18.7676

Protanopia

12.2012, 12.2298, 20.1299

Deuteranopia

12.4308, 12.2468, 18.5383



Tritanopia

12.4151, 12.0708, 13.9875

Trichromacy



Original Color

13.4415, 12.1052, 18.7676

Protanomaly

12.6890, 12.2175, 19.7786

Deuteranomaly

12.6931, 12.1145, 18.4990

Tritanomaly

12.7525, 12.0784, 15.5691

Monochromacy



Original Color

13.4415, 12.1052, 18.7676

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.6375, 12.5540, 15.6670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4415, 12.1052, 18.7676 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(110, 91, 118)` looks like.

```
.text, #text, p{  
    color:rgb(110, 91, 118)  
}
```

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(110, 91, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 91, 118) }
```

Border

The CSS property to change the border of an element to XYZ 13.4415, 12.1052, 18.7676 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(110, 91, 118) }
```


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

```
.border{ border-color:rgb(110, 91, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 91, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 91, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 91, 118);  
box-shadow:4px 4px 4px 4px rgb(110, 91,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4415, 12.1052, 18.7676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 91, 118) }
```

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

```
.background{ background-color: rgb(110, 91,  
118) }
```

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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