

Converting Colors

XYZ(13.1182, 10.4538, 15.4397)

Have a look what the booklet for
XYZ(13.1182, 10.4538, 15.4397)
contains.

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Color

**XYZ(13.1769, 10.5246,
15.5243)**

Conversions

Conversions Part 1

Format	Color
Hex	784E6C
RGB	120, 78, 108
RGB Percent	47%, 31%, 42%
CMY	0.5294, 0.6941, 0.5765
CMYK	0.00, 0.35, 0.10, 0.53
HSL	317°, 21%, 39%
HSV	317°, 35%, 47%
XYZ	13.1769, 10.5246, 15.5243
YIQ	93.9780, 15.4020, 18.2340

Conversions

Conversions Part 2

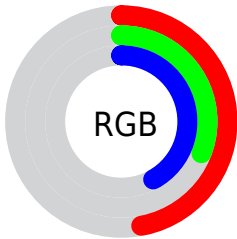
Format	Color
R_{YB}	120, 78, 108
Decimal	7884396
CIE _{Lab}	38.77, 22.71, -10.06
CIE _{LCh}	39, 24.837, 336.116
Yxy	10.5246, 0.3359, 0.2683
Android (android.graphics.Color)	4286074476 (0xFF784E6C)
YUV	93.9780, 6.9128, 22.8213
Hunter-Lab	32.4416, 15.7289, -5.6629

Details

The XYZ color **13.1769, 10.5246, 15.5243** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **11.7043, 15.7911, 12.1047**, and the grayscale version is **10.6161, 11.1689, 12.1630**.

A 20% lighter version of the original color is **31.2108, 26.8258, 36.3338**, and **3.8846, 2.6720, 4.7259** is the 20% darker color. If you saturate the color by 10%, you get **12.2220, 8.9011, 14.3234**, and if you desaturate by 10%, it is **14.2952, 12.4632, 16.8154**.

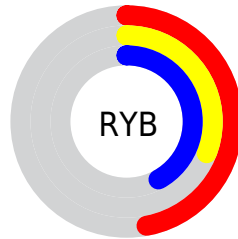
Distribution



Red (47%)

Green (31%)

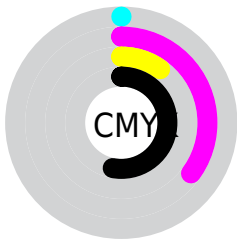
Blue (42%)



Red (47%)

Yellow (31%)

Blue (42%)

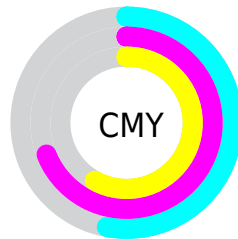


Cyan (0%)

Magenta (35%)

Yellow (10%)

Black (53%)



Cyan (53%)

Magenta (69%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1769, 10.5246, 15.5243 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 13.1769, 10.5246, 15.5243 by changing the saturation by 10% instead.

13.1769, 10.5246,
15.5243

13.1769, 10.5246,
15.5243

205.6631,
194.3763, 238.2672

7.6283, 5.7481,
9.0375

31.2198, 26.7777,
36.5256

3.9078, 2.6925,
4.6685

44.4449, 39.0230,
51.8771

1.6501, 0.9734,
1.9988

60.9595, 54.5269,
71.0207

0.4247, 0.0000,
0.5545

81.1290, 73.6735,
94.3748

0.0000, 0.0000,
0.0000

105.3188, 96.8474,
122.3579

133.8941,

124.4329, 155.3887

167.2204,
156.8144, 193.8856

■ 13.1769, 10.5246,
15.5243

■ 13.1769, 10.5246,
15.5243

■ 12.2220, 8.9011,
14.3234

■ 14.2952, 12.4632,
16.8154

■ 11.4211, 7.5741,
13.2086

■ 15.5839, 14.7311,
18.1989

■ 10.7650, 6.5257,
12.1768

■ 17.0506, 17.3434,
19.6780

■ 10.2434, 5.7351,
11.2240

■ 18.7024, 20.3138,
21.2554

■ 9.8443, 5.1787,
10.3458

■ 20.5457, 23.6555,
22.9336

■ 9.5488, 4.8185,
9.5355

■ 22.5869, 27.3806,
24.7150

■ 9.4139, 4.6604,
9.1468

■ 24.8318, 31.5011,
26.6021

■ 27.2862, 36.0281,
28.5971

■ 29.9555, 40.9725,
30.7021

Harmonies

Analogous

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



11.9821, 10.5246, 20.4261



13.1769, 10.5246, 15.5243



13.4825, 10.5246, 10.5228

Triad

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



13.1769, 10.5246, 15.5243



9.6707, 10.5246, 4.6150



7.6634, 10.5246, 17.6583

Complementary

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



13.1769, 10.5246, 15.5243



11.7043, 15.7911, 12.1047

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.



7.1809, 10.5246, 12.4502



13.1769, 10.5246, 15.5243



8.2553, 10.5246, 5.5970

Square

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



13.1769, 10.5246, 15.5243



11.3369, 10.5246, 5.0205



7.3852, 10.5246, 8.1745



8.7787, 10.5246, 21.8754

Rectangle

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



13.1769, 10.5246, 15.5243



13.1145, 10.5246, 7.9222



7.3852, 10.5246, 8.1745



7.4277, 10.5246, 15.9185

Sweetspot

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



13.1772, 10.5251, 15.5245



28.5952, 28.0156, 33.2235



10.3218, 8.9741, 18.9576



6.7079, 6.5169, 7.8039



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.1772, 10.5251, 15.5245



21.8050, 16.1752, 25.5957



12.1949, 10.1322, 10.3518



4.1080, 4.0589, 4.7662



10.2637, 5.0816, 9.9457



48.5786, 24.0878, 45.4383

Inverse Universe

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



13.1772, 10.5251, 15.5245



21.8050, 16.1752, 25.5957



12.7225, 16.1984, 17.4664



4.1080, 4.0589, 4.7662



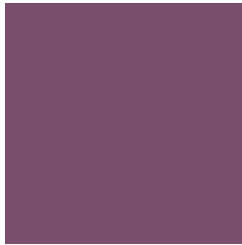
10.2637, 5.0816, 9.9457



48.5786, 24.0878, 45.4383

Previews

White Background



This preview shows how the XYZ color 13.1769, 10.5246, 15.5243 looks on a white background.

Color Contrast Check

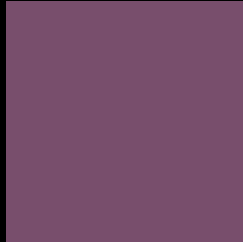
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1769, 10.5246, 15.5243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

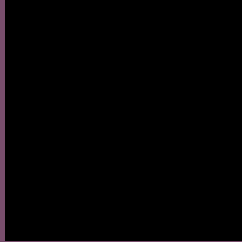
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1769, 10.5246, 15.5243

Background



This preview shows how black text looks on a background with the XYZ color 13.1769, 10.5246, 15.5243.

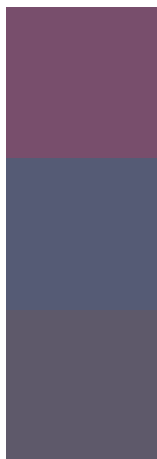


This preview shows how white text looks on a background with the XYZ color 13.1769, 10.5246,

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

13.1769, 10.5246, 15.5243

Protanopia

10.6983, 10.6978, 18.3306

Deuteranopia

10.7900, 10.5650, 15.1062



Tritanopia

12.2500, 10.5907, 10.6311

Trichromacy



Original Color

13.1769, 10.5246, 15.5243

Protanomaly

11.4021, 10.4672, 17.3390

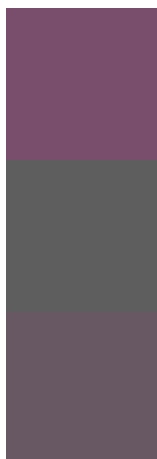
Deuteranomaly

11.4959, 10.4421, 15.3195

Tritanomaly

12.6157, 10.6330, 12.2139

Monochromacy



Original Color

13.1769, 10.5246, 15.5243

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.3354, 10.7639, 13.2846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1769, 10.5246, 15.5243 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(120, 78, 108)` looks like.

```
.text, #text, p{  
    color:rgb(120, 78, 108)  
}
```

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(120, 78, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 78, 108) }
```

Border

The CSS property to change the border of an element to XYZ 13.1769, 10.5246, 15.5243 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(120, 78, 108) }
```


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

```
.border{ border-color:rgb(120, 78, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 78, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 78, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 78, 108);  
box-shadow:4px 4px 4px 4px rgb(120, 78,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1769, 10.5246, 15.5243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 78, 108) }
```

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

```
.background{ background-color: rgb(120, 78,  
108) }
```

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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