

Converting Colors

XYZ(13.8862, 12.7247, 20.2668)

Have a look what the booklet for
XYZ(13.8862, 12.7247, 20.2668)
contains.

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Color

**XYZ(13.8222, 12.6618,
20.1278)**

Conversions

Conversions Part 1

Format	Color
Hex	6D5E7A
RGB	109, 94, 122
RGB Percent	43%, 37%, 48%
CMY	0.5725, 0.6314, 0.5216
CMYK	0.11, 0.23, 0.00, 0.52
HSL	272°, 13%, 42%
HSV	272°, 23%, 48%
XYZ	13.8222, 12.6618, 20.1278
YIQ	101.6770, -0.0480, 11.8880

Conversions

Conversions Part 2

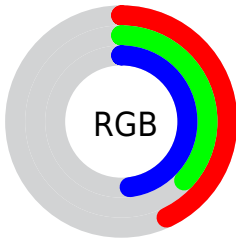
Format	Color
R_{YB}	109, 94, 122
Decimal	7167610
CIE _{Lab}	42.25, 11.86, -13.50
CIE _{LCh}	42, 17.972, 311.301
Yxy	12.6618, 0.2965, 0.2716
Android (android.graphics.Color)	4285357690 (0xFF6D5E7A)
YUV	101.6770, 10.0192, 6.4223
Hunter-Lab	35.5834, 7.0664, -8.6291

Details

The XYZ color **13.8222, 12.6618, 20.1278** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **15.0439, 17.8534, 13.2435**, and the grayscale version is **12.5202, 13.1722, 14.3446**.

A 20% lighter version of the original color is **32.3112, 30.5796, 44.2439**, and **4.1840, 3.5870, 6.7752** is the 20% darker color. If you saturate the color by 10%, you get **12.1474, 10.3135, 19.7630**, and if you desaturate by 10%, it is **15.7142, 15.3773, 20.5524**.

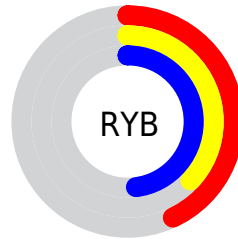
Distribution



 Red (43%)

 Green (37%)

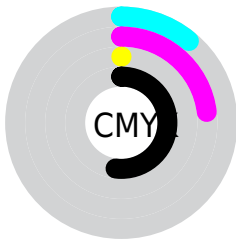
 Blue (48%)



 Red (43%)

 Yellow (37%)

 Blue (48%)

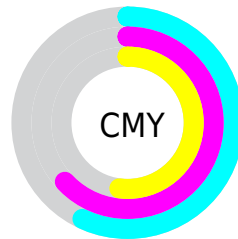


 Cyan (11%)

 Magenta (23%)

 Yellow (0%)

 Black (52%)



 Cyan (57%)

 Magenta (63%)

 Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8222, 12.6618, 20.1278 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 13.8222, 12.6618, 20.1278 by changing the saturation by 10% instead.

■ 13.8222, 12.6618,
20.1278

■ 13.8222, 12.6618,
20.1278

209.6547,
208.7387, 265.2332

■ 8.0780, 7.1961,
12.3030

■ 32.3621, 30.6948,
44.4931

■ 4.1971, 3.5850,
6.8253

■ 45.8885, 44.0309,
61.8707

■ 1.8142, 1.4443,
3.2763

■ 62.7397, 60.7593,
83.2696

■ 0.5262, 0.2490,
1.2374

■ 83.2810, 81.2643,
109.1084

■ 0.0000, 0.0000,
0.0096

107.8778,
105.9304, 139.8057

■ 0.0000, 0.0000,
0.0000

136.8955,

135.1418, 175.7798

170.6993,
169.2831, 217.4495

■ 13.8222, 12.6618,
20.1278

■ 13.8222, 12.6618,
20.1278

■ 12.1474, 10.3135,
19.7630

■ 15.7142, 15.3773,
20.5524

■ 10.6799, 8.3144,
19.4545

■ 17.8305, 18.4739,
21.0386

■ 9.4103, 6.6470,
19.1996

■ 20.1794, 21.9666,
21.5889

■ 8.3283, 5.2921,
18.9951

■ 22.7684, 25.8692,
22.2058

■ 7.4225, 4.2281,
18.8374

■ 25.6046, 30.1948,
22.8912

6.6800, 3.4306,
18.7226

28.6947, 34.9558,
23.6473

6.0852, 2.8698,
18.6457

32.0454, 40.1644,
24.4761

5.7163, 2.5410,
18.6017

35.6628, 45.8319,
25.3793

39.5530, 51.9694,
26.3590

Harmonies

Analogous

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



12.5482, 12.6618, 22.3924



13.8222, 12.6618, 20.1278



14.6523, 12.6618, 16.2981

Triad

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



13.8222, 12.6618, 20.1278



12.8823, 12.6618, 7.8971



9.6742, 12.6618, 15.2884

Complementary

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



13.8222, 12.6618, 20.1278



15.0439, 17.8534, 13.2435

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.



9.7490, 12.6618, 11.5472



13.8222, 12.6618, 20.1278



11.5353, 12.6618, 7.7279

Square

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



13.8222, 12.6618, 20.1278



14.0824, 12.6618, 9.4558



10.4083, 12.6618, 8.9403



10.1957, 12.6618, 19.2712

Rectangle

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



13.8222, 12.6618, 20.1278



14.8076, 12.6618, 13.6192



10.4083, 12.6618, 8.9403



9.6315, 12.6618, 13.9553

Sweetspot

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



13.8226, 12.6623, 20.1281



29.7486, 30.1183, 36.6384



13.3941, 14.3147, 20.4696



6.7672, 6.8356, 8.3694



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.



13.8226, 12.6623, 20.1281



22.5847, 19.8334, 35.0308



15.4844, 13.5257, 19.9054



3.9835, 3.9894, 5.0033



6.0086, 2.6703, 19.5840



27.6710, 12.2269, 93.3714

Inverse Universe

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



14.6831, 13.2051, 15.6857



24.4487, 21.0081, 25.4623



13.6387, 17.1241, 13.3977



4.0685, 4.0431, 4.5585



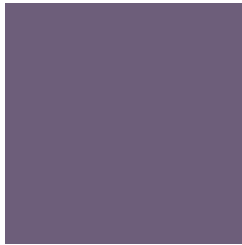
9.2143, 4.6619, 4.4195



43.5318, 22.0691, 18.8626

Previews

White Background



This preview shows how the XYZ color 13.8222, 12.6618, 20.1278 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 13.8222, 12.6618, 20.1278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

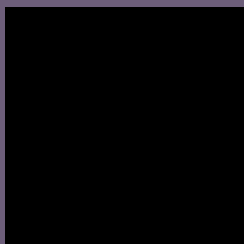
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8222, 12.6618, 20.1278

Background



This preview shows how black text looks on a background with the XYZ color 13.8222, 12.6618, 20.1278.



This preview shows how white text looks on a background with the XYZ color 13.8222, 12.6618,

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

13.8222, 12.6618, 20.1278

Protanopia

12.6777, 12.7315, 21.1913

Deuteranopia

12.9645, 12.7685, 19.8704



Tritanopia

12.7684, 12.6335, 15.1301

Trichromacy



Original Color

13.8222, 12.6618, 20.1278

Protanomaly

13.0584, 12.6573, 20.8236

Deuteranomaly

13.3194, 12.8134, 19.8604

Tritanomaly

13.1155, 12.6392, 16.7873

Monochromacy



Original Color

13.8222, 12.6618, 20.1278

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.0479, 13.0311, 16.2955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8222, 12.6618, 20.1278 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(109, 94, 122)` looks like.

```
.text, #text, p{  
    color:rgb(109, 94, 122)  
}
```

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(109, 94, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 94, 122) }
```

Border

The CSS property to change the border of an element to XYZ 13.8222, 12.6618, 20.1278 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(109, 94, 122) }
```


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

```
.border{ border-color:rgb(109, 94, 122) }
```

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

Here you see how a box with a 4 pixel rgb(109, 94, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 94, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 94, 122);  
box-shadow:4px 4px 4px 4px rgb(109, 94,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8222, 12.6618, 20.1278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 94, 122) }
```

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

```
.background{ background-color: rgb(109, 94,  
122) }
```

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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