

Converting Colors

XYZ(12.2053, 13.1765, 12.7565)

Have a look what the booklet for
XYZ(12.2053, 13.1765, 12.7565)
contains.

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Color

**XYZ(12.1838, 13.0957,
12.7120)**

Conversions

Conversions Part 1

Format	Color
Hex	65665F
RGB	101, 102, 95
RGB Percent	40%, 40%, 37%
CMY	0.6039, 0.6000, 0.6274
CMYK	0.01, 0.00, 0.07, 0.60
HSL	69°, 4%, 39%
HSV	69°, 7%, 40%
XYZ	12.1838, 13.0957, 12.7120
YIQ	100.9030, 1.6510, -2.3890

Conversions

Conversions Part 2

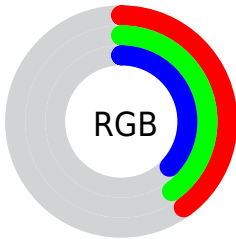
Format	Color
RYB	95, 102, 96
Decimal	6645343
CIELab	42.91, -1.80, 3.81
CIElCh	43, 4.219, 115.298
Yxy	13.0957, 0.3207, 0.3447
Android (android.graphics.Color)	4284835423 (0xFF65665F)
YUV	100.9030, -2.9102, 0.0851
Hunter-Lab	36.1880, -3.2314, 4.5044

Details

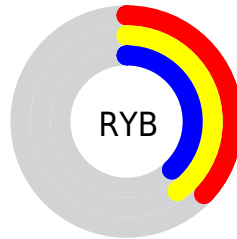
The XYZ color **12.1838, 13.0957, 12.7120** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.3148, 11.6308, 14.2197**, and the grayscale version is **12.3519, 12.9952, 14.1518**.

A 20% lighter version of the original color is **29.4510, 31.5022, 31.3164**, and **3.4419, 3.7384, 3.4459** is the 20% darker color. If you saturate the color by 10%, you get **11.5884, 12.8392, 10.4203**, and if you desaturate by 10%, it is **12.8436, 13.3791, 15.3243**.

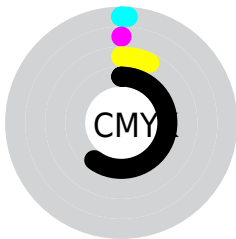
Distribution



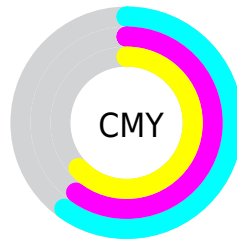
- Red (40%)
- Green (40%)
- Blue (37%)



- Red (37%)
- Yellow (40%)
- Blue (38%)



- Cyan (1%)
- Magenta (0%)
- Yellow (7%)
- Black (60%)



- Cyan (60%)
- Magenta (60%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1838, 13.0957, 12.7120 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 12.1838, 13.0957, 12.7120 by changing the saturation by 10% instead.

■ 12.1838, 13.0957,
12.7120

■ 12.1838, 13.0957,
12.7120

199.3635,
211.5301, 220.2062

■ 6.9421, 7.4945,
7.1021

■ 29.4434, 31.4756,
31.4690

■ 3.4719, 3.7732,
3.4466

■ 42.1919, 45.0231,
45.4532

■ 1.4080, 1.5475,
1.3270

■ 58.1735, 61.9881,
63.0659

■ 0.2619, 0.3218,
0.0837

■ 77.7534, 82.7550,
84.7256

■ 0.0000, 0.0000,
0.0000

101.2970,
107.7083, 110.8510

129.1696,

137.2323, 141.8605

161.7367,
171.7115, 178.1728

■ 12.1838, 13.0957,
12.7120

■ 12.1838, 13.0957,
12.7120

■ 11.5884, 12.8392,
10.4203

■ 12.8436, 13.3791,
15.3243

■ 11.0539, 12.6071,
8.4359

■ 13.5689, 13.6886,
18.2680

■ 10.5782, 12.3987,
6.7460

■ 14.3622, 14.0256,
21.5543

■ 10.1585, 12.2132,
5.3366

■ 15.2255, 14.3910,
25.1940

■ 9.7921, 12.0492,
4.1924

■ 16.1607, 14.7855,
29.1971

■ 9.4756, 11.9056,
3.2968

■ 17.1697, 15.2099,
33.5732

■ 9.2057, 11.7808,
2.6312

■ 18.2543, 15.6648,
38.3318

■ 8.9781, 11.6734,
2.1744

■ 19.4163, 16.1510,
43.4818

■ 8.7811, 11.5785,
1.8639

■ 20.6572, 16.6691,
49.0320

Harmonies

Analogous

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



12.4980, 13.0957, 12.5603



12.1838, 13.0957, 12.7120



11.9439, 13.0957, 13.2711

Triad

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



12.1838, 13.0957, 12.7120



12.0972, 13.0957, 15.7704



13.0758, 13.0957, 14.4051

Complementary

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



12.1838, 13.0957, 12.7120



11.3148, 11.6308, 14.2197

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.



12.9642, 13.0957, 15.2948



12.1838, 13.0957, 12.7120



12.3963, 13.0957, 16.1043

Square

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



12.1838, 13.0957, 12.7120



11.8945, 13.0957, 15.0319



12.7141, 13.0957, 15.9267



13.0165, 13.0957, 13.5130

Rectangle

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



12.1838, 13.0957, 12.7120



11.8565, 13.0957, 13.8128



12.7141, 13.0957, 15.9267



13.0569, 13.0957, 14.7147

Sweetspot

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



12.1842, 13.0963, 12.7123



21.9089, 23.1994, 24.4240



11.7223, 12.0049, 12.5260



5.1734, 5.4750, 5.7812



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



12.1842, 13.0963, 12.7123



21.2181, 22.9026, 21.7121



11.8077, 12.9022, 12.6947



3.0038, 3.2491, 3.0433



11.1753, 14.8198, 2.2715



57.7246, 77.0041, 11.8209

Inverse Universe

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



11.3148, 11.6308, 14.2197



19.4061, 19.8482, 24.8540



11.6840, 11.8211, 14.2370



2.7259, 2.7808, 3.5250



3.3010, 1.3459, 16.2301



16.7462, 6.7772, 84.6269

Previews

White Background



This preview shows how the XYZ color 12.1838, 13.0957, 12.7120 looks on a white background.

Color Contrast Check

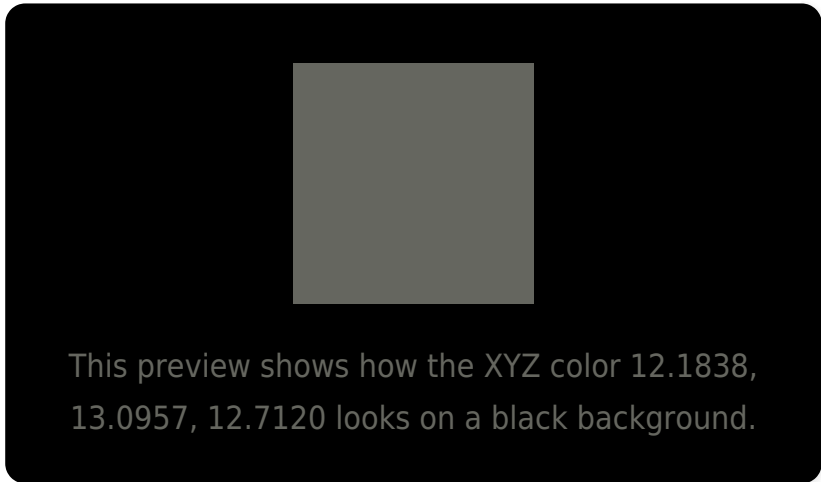
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

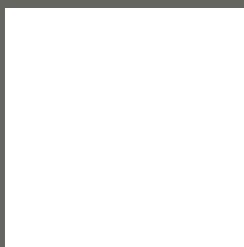
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1838, 13.0957, 12.7120

Background



This preview shows how black text looks on a background with the XYZ color 12.1838, 13.0957, 12.7120.



This preview shows how white text looks on a background with the XYZ color 12.1838, 13.0957,

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

12.1838, 13.0957, 12.7120

Protanopia

12.4998, 13.1188, 12.4630

Deuteranopia

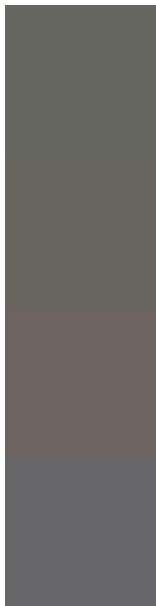
13.2891, 13.0906, 12.8927



Tritanopia

12.8575, 13.0806, 16.0345

Trichromacy



Original Color

12.1838, 13.0957, 12.7120

Protanomaly

12.3830, 13.0586, 12.4576

Deuteranomaly

12.8798, 13.0194, 12.9005

Tritanomaly

12.5814, 13.1114, 14.6996

Monochromacy



Original Color

12.1838, 13.0957, 12.7120

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.2726, 12.9749, 13.6620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1838, 13.0957, 12.7120 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(101, 102, 95)` looks like.

```
.text, #text, p{  
    color:rgb(101, 102, 95)  
}
```

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(101, 102, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 102, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.1838, 13.0957, 12.7120 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(101, 102, 95) }
```


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

```
.border{ border-color:rgb(101, 102, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 102, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 102, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 102, 95);  
box-shadow:4px 4px 4px 4px rgb(101, 102,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1838, 13.0957, 12.7120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 102, 95) }
```

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

```
.background{ background-color: rgb(101,  
102, 95) }
```

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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