

Converting Colors

XYZ(11.9532, 13.0007, 7.8870)

Have a look what the booklet for
XYZ(11.9532, 13.0007, 7.8870)
contains.

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Color

**XYZ(11.8544, 12.8881,
7.8241)**

Conversions

Conversions Part 1

Format	Color
Hex	6B6547
RGB	107, 101, 71
RGB Percent	42%, 40%, 28%
CMY	0.5804, 0.6039, 0.7216
CMYK	0.00, 0.06, 0.34, 0.58
HSL	50°, 20%, 35%
HSV	50°, 34%, 42%
XYZ	11.8544, 12.8881, 7.8241
YIQ	99.3740, 13.2060, -8.0580

Conversions

Conversions Part 2

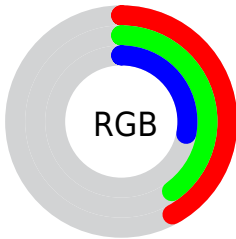
Format	Color
R_{YB}	78, 107, 71
Decimal	7038279
CIE _{Lab}	42.59, -2.75, 17.88
CIE _{LCh}	43, 18.086, 98.736
Yxy	12.8881, 0.3640, 0.3957
Android (android.graphics.Color)	4285228359 (0xFF6B6547)
YUV	99.3740, -13.9884, 6.6880
Hunter-Lab	35.9000, -3.8832, 12.2082

Details

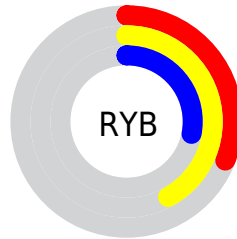
The XYZ color **11.8544, 12.8881, 7.8241** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.9062, 7.7086, 14.9811**, and the grayscale version is **11.9863, 12.6106, 13.7329**.

A 20% lighter version of the original color is **28.9165, 31.1835, 22.2642**, and **3.3206, 3.6473, 1.5659** is the 20% darker color. If you saturate the color by 10%, you get **11.3697, 12.4208, 6.1150**, and if you desaturate by 10%, it is **12.4040, 13.3883, 9.8536**.

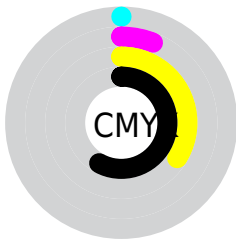
Distribution



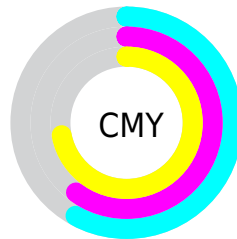
- Red (42%)
- Green (40%)
- Blue (28%)



- Red (31%)
- Yellow (42%)
- Blue (28%)



- Cyan (0%)
- Magenta (6%)
- Yellow (34%)
- Black (58%)



- Cyan (58%)
- Magenta (60%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8544, 12.8881, 7.8241 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 11.8544, 12.8881, 7.8241 by changing the saturation by 10% instead.

■ 11.8544, 12.8881,
7.8241

■ 11.8544, 12.8881,
7.8241

197.2286,
210.1993, 184.2285

■ 6.7161, 7.3515,
3.8964

■ 28.8488, 31.1026,
22.1533

■ 3.3299, 3.6829,
1.5687

■ 41.4356, 44.5493,
33.3920

■ 1.3305, 1.4978,
0.2683

■ 57.2360, 61.4016,
47.9047

■ 0.2059, 0.2872,
0.0000

■ 76.6153, 82.0437,
66.1101

■ 0.0000, 0.0000,
0.0000

■ 99.9388, 106.8602,
88.4266

127.5720,

136.2353, 115.2728

159.8802,
170.5536, 147.0673

■ 11.8544, 12.8881,
7.8241

■ 11.8544, 12.8881,
7.8241

■ 11.3697, 12.4208,
6.1150

■ 12.4040, 13.3883,
9.8536

■ 10.9458, 11.9832,
4.7088

■ 13.0204, 13.9209,
12.2181

■ 10.5795, 11.5747,
3.5874

■ 13.7069, 14.4875,
14.9325

■ 10.2668, 11.1935,
2.7307

■ 14.4659, 15.0893,
18.0104

■ 10.0035, 10.8379,
2.1158

■ 15.3000, 15.7273,
21.4646

■ 9.7829, 10.5052,
1.7074

■ 16.2116, 16.4025,
25.3075

■ 9.6504, 10.2998,
1.4794

■ 17.2028, 17.1157,
29.5507

■ 18.2759, 17.8680,
34.2056

■ 19.4328, 18.6600,
39.2828

Harmonies

Analogous

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



13.2291, 12.8881, 8.1160



11.8544, 12.8881, 7.8241



10.6758, 12.8881, 8.9368

Triad

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



11.8544, 12.8881, 7.8241



10.3095, 12.8881, 19.2969



14.8695, 12.8881, 16.9475

Complementary

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



11.8544, 12.8881, 7.8241



7.9062, 7.7086, 14.9811

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.



13.9713, 12.8881, 20.7710



11.8544, 12.8881, 7.8241



11.3199, 12.8881, 22.2934

Square

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



11.8544, 12.8881, 7.8241



9.8285, 12.8881, 15.2090



12.6538, 12.8881, 22.8780



15.0392, 12.8881, 12.9191

Rectangle

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



11.8544, 12.8881, 7.8241



10.1352, 12.8881, 10.4737



12.6538, 12.8881, 22.8780



14.6397, 12.8881, 18.3190

Sweetspot

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



11.8547, 12.8887, 7.8244



23.7139, 25.2616, 23.4410



9.6563, 8.1682, 8.0890



5.7089, 6.0887, 5.5524



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



11.8547, 12.8887, 7.8244



20.5670, 22.4466, 11.6670



11.1144, 13.4032, 7.9627



3.2924, 3.5020, 3.3199



11.7217, 12.4932, 1.7936



59.1841, 62.5719, 8.9582

Inverse Universe

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



7.9062, 7.7086, 14.9811



12.3797, 11.7085, 26.5152



8.4745, 7.4072, 14.8930



2.9854, 3.0992, 3.8757



3.4707, 1.7757, 17.0821



17.2362, 8.1511, 86.8911

Previews

White Background



This preview shows how the XYZ color 11.8544, 12.8881, 7.8241 looks on a white background.

Color Contrast Check

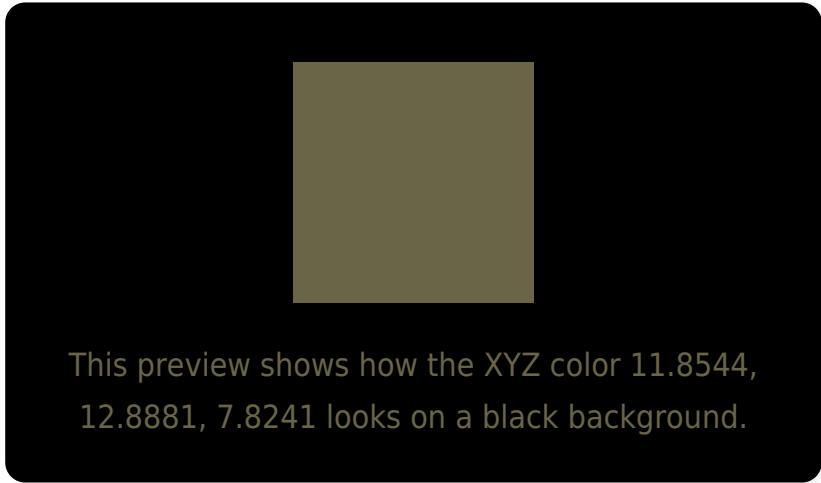
Large Text (above 18pt) WCAG AA ✓ Pass

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

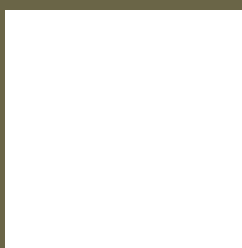
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.8544, 12.8881, 7.8241

Background



This preview shows how black text looks on a background with the XYZ color 11.8544, 12.8881, 7.8241.



This preview shows how white text looks on a background with the XYZ color 11.8544, 12.8881,

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

11.8544, 12.8881, 7.8241

Protanopia

12.0977, 13.0135, 7.8355

Deuteranopia

12.9603, 12.7556, 7.9099



Tritanopia

13.3289, 12.9284, 14.8896

Trichromacy



Original Color

11.8544, 12.8881, 7.8241

Protanomaly

11.9754, 12.9504, 7.8298

Deuteranomaly

12.6076, 12.8481, 7.9463

Tritanomaly

12.7299, 12.8231, 11.9294

Monochromacy



Original Color

11.8544, 12.8881, 7.8241

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.8398, 12.6604, 11.2709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8544, 12.8881, 7.8241 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(107, 101, 71)` looks like.

```
.text, #text, p{  
    color:rgb(107, 101, 71)  
}
```

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(107, 101, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 101, 71) }
```

Border

The CSS property to change the border of an element to XYZ 11.8544, 12.8881, 7.8241 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(107, 101, 71) }
```


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

```
.border{ border-color:rgb(107, 101, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 101, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 101, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 101, 71);  
box-shadow:4px 4px 4px 4px rgb(107, 101,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8544, 12.8881, 7.8241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 101, 71) }
```

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

```
.background{ background-color: rgb(107,  
101, 71) }
```

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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