

Converting Colors

XYZ(11.9412, 13.8437, 8.0716)

Have a look what the booklet for
XYZ(11.9412, 13.8437, 8.0716)
contains.

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Color

**XYZ(11.8745, 13.7951,
7.9981)**

Conversions

Conversions Part 1

Format	Color
Hex	666B47
RGB	102, 107, 71
RGB Percent	40%, 42%, 28%
CMY	0.6000, 0.5804, 0.7216
CMYK	0.05, 0.00, 0.34, 0.58
HSL	68°, 20%, 35%
HSV	68°, 34%, 42%
XYZ	11.8745, 13.7951, 7.9981
YIQ	101.4010, 8.5760, -12.2560

Conversions

Conversions Part 2

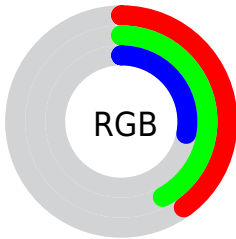
Format	Color
R_{YB}	71, 107, 76
Decimal	6712135
CIE _{Lab}	43.94, -8.40, 19.58
CIE _{LCh}	44, 21.305, 113.211
Yxy	13.7951, 0.3527, 0.4097
Android (android.graphics.Color)	4284902215 (0xFF666B47)
YUV	101.4010, -14.9877, 0.5253
Hunter-Lab	37.1418, -7.9303, 13.2317

Details

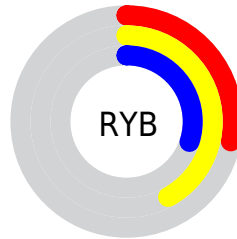
The XYZ color **11.8745, 13.7951, 7.9981** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.8881, 7.1049, 14.8663**, and the grayscale version is **12.5098, 13.1613, 14.3326**.

A 20% lighter version of the original color is **28.7539, 32.5821, 22.5428**, and **3.3350, 4.0951, 1.6516** is the 20% darker color. If you saturate the color by 10%, you get **11.3940, 13.5841, 6.3382**, and if you desaturate by 10%, it is **12.4192, 14.0331, 9.9773**.

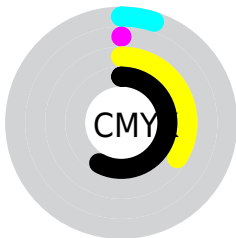
Distribution



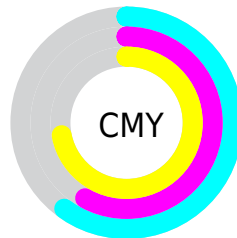
- Red (40%)
- Green (42%)
- Blue (28%)



- Red (28%)
- Yellow (42%)
- Blue (30%)



- Cyan (5%)
- Magenta (0%)
- Yellow (34%)
- Black (58%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8745, 13.7951, 7.9981 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 11.8745, 13.7951, 7.9981 by changing the saturation by 10% instead.

■ 11.8745, 13.7951,
7.9981

■ 11.8745, 13.7951,
7.9981

197.3596,
215.9524, 185.6512

■ 6.7299, 7.9783,
4.0060

■ 28.8852, 32.7250,
22.5008

■ 3.3386, 4.0811,
1.6286

■ 41.4819, 46.6069,
33.8485

■ 1.3352, 1.7190,
0.3111

■ 57.2934, 63.9460,
48.4851

■ 0.2094, 0.4359,
0.0000

■ 76.6850, 85.1266,
66.8292

■ 0.0000, 0.0000,
0.0000

■ 100.0221,
110.5331, 89.2993

127.6700,

140.5500, 116.3140

159.9940,
175.5616, 148.2918

■ 11.8745, 13.7951,
7.9981

■ 11.8745, 13.7951,
7.9981

■ 11.3940, 13.5841,
6.3382

■ 12.4192, 14.0331,
9.9773

■ 10.9736, 13.3970,
4.9801

■ 13.0300, 14.2974,
12.2904

■ 10.6100, 13.2329,
3.9058

■ 13.7101, 14.5898,
14.9523

■ 10.2994, 13.0904,
3.0951

■ 14.4620, 14.9113,
17.9766

■ 10.0374, 12.9677,
2.5250

■ 15.2882, 15.2628,
21.3761

■ 9.8174, 12.8621,
2.1605

■ 16.1912, 15.6454,
25.1631

■ 9.6850, 12.7982,
1.9598

■ 17.1730, 16.0599,
29.3494

■ 18.2358, 16.5072,
33.9461

■ 19.3818, 16.9881,
38.9641

Harmonies

Analogous

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



13.4990, 13.7951, 7.5553



11.8745, 13.7951, 7.9981



10.6819, 13.7951, 10.1157

Triad

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



11.8745, 13.7951, 7.9981



11.2636, 13.7951, 23.7562



16.6038, 13.7951, 16.1457

Complementary

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



11.8745, 13.7951, 7.9981



7.8881, 7.1049, 14.8663

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.



15.8849, 13.7951, 21.2991



11.8745, 13.7951, 7.9981



12.7321, 13.7951, 26.2626

Square

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



11.8745, 13.7951, 7.9981



10.3509, 13.7951, 18.9874



14.4323, 13.7951, 25.2784



16.3247, 13.7951, 11.6486

Rectangle

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



11.8745, 13.7951, 7.9981



10.2451, 13.7951, 12.4938



14.4323, 13.7951, 25.2784



16.4690, 13.7951, 17.8668

Sweetspot

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



11.8748, 13.7957, 7.9984



23.7262, 25.7705, 23.5386



9.7719, 8.7225, 7.1300



5.7122, 6.2244, 5.5784



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.



11.8748, 13.7957, 7.9984



20.6077, 24.4140, 12.0446



10.0696, 12.8651, 7.9139



3.2939, 3.5633, 3.3316



11.7631, 15.5593, 2.3833



59.3934, 79.0006, 12.1183

Inverse Universe

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



7.8881, 7.1049, 14.8663



12.3423, 10.5373, 26.2911



9.5031, 7.9375, 14.9419



2.9840, 3.0435, 3.8651



3.4474, 1.4042, 17.0116



17.1112, 6.9208, 86.6602

Previews

White Background



This preview shows how the XYZ color 11.8745, 13.7951, 7.9981 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 11.8745, 13.7951, 7.9981 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

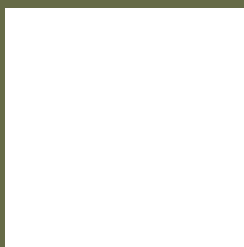
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.8745, 13.7951, 7.9981

Background



This preview shows how black text looks on a background with the XYZ color 11.8745, 13.7951, 7.9981.



This preview shows how white text looks on a background with the XYZ color 11.8745, 13.7951,

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

11.8745, 13.7951, 7.9981

Protanopia

12.7379, 13.7876, 7.7843

Deuteranopia

13.9766, 13.6898, 8.2091



Tritanopia

13.6292, 13.7543, 16.6884

Trichromacy



Original Color

11.8745, 13.7951, 7.9981

Protanomaly

12.3414, 13.7335, 7.7947

Deuteranomaly

13.1235, 13.6836, 8.0804

Tritanomaly

12.8873, 13.7484, 13.0408

Monochromacy



Original Color

11.8745, 13.7951, 7.9981

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.0625, 13.2054, 11.5860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8745, 13.7951, 7.9981 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(102, 107, 71)` looks like.

```
.text, #text, p{  
    color:rgb(102, 107, 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(102, 107, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 107, 71) }
```

Border

The CSS property to change the border of an element to XYZ 11.8745, 13.7951, 7.9981 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(102, 107, 71) }
```


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

```
.border{ border-color:rgb(102, 107, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 107, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 107, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 107, 71);  
box-shadow:4px 4px 4px 4px rgb(102, 107,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8745, 13.7951, 7.9981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 107, 71) }
```

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

```
.background{ background-color: rgb(102,  
107, 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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