

Converting Colors

XYZ(12.3592, 12.8931, 11.0311)

Have a look what the booklet for
XYZ(12.3592, 12.8931, 11.0311)
contains.

XYZ(12.3820, 12.9447, 11.0785)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.3820, 12.9447,
11.0785)**

Conversions

Conversions Part 1

Format	Color
Hex	6B6458
RGB	107, 100, 88
RGB Percent	42%, 39%, 35%
CMY	0.5804, 0.6078, 0.6549
CMYK	0.00, 0.07, 0.18, 0.58
HSL	38°, 10%, 38%
HSV	38°, 18%, 42%
XYZ	12.3820, 12.9447, 11.0785
YIQ	100.7250, 8.0240, -2.2480

Conversions

Conversions Part 2

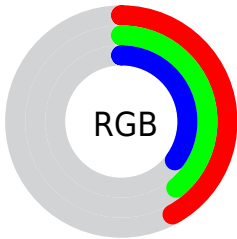
Format	Color
RYB	99, 107, 88
Decimal	7038040
CIELab	42.68, 0.54, 7.80
CIELCh	43, 7.821, 86.067
Yxy	12.9447, 0.3401, 0.3556
Android (android.graphics.Color)	4285228120 (0xFF6B6458)
YUV	100.7250, -6.2734, 5.5032
Hunter-Lab	35.9787, -1.5324, 6.9287

Details

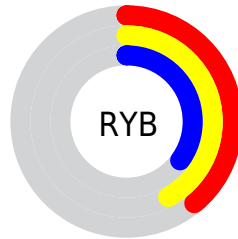
The XYZ color **12.3820, 12.9447, 11.0785** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.7705, 11.3204, 15.5274**, and the grayscale version is **12.3132, 12.9545, 14.1074**.

A 20% lighter version of the original color is **29.7546, 31.2373, 28.5059**, and **3.5128, 3.6504, 2.8050** is the 20% darker color. If you saturate the color by 10%, you get **11.6022, 12.0429, 8.7900**, and if you desaturate by 10%, it is **13.2459, 13.9102, 13.7163**.

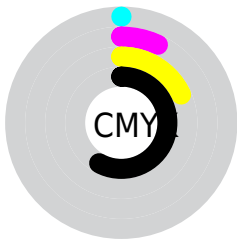
Distribution



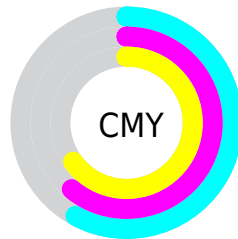
- Red (42%)
- Green (39%)
- Blue (35%)



- Red (39%)
- Yellow (42%)
- Blue (35%)



- Cyan (0%)
- Magenta (7%)
- Yellow (18%)
- Black (58%)



- Cyan (58%)
- Magenta (61%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3820, 12.9447, 11.0785 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 12.3820, 12.9447, 11.0785 by changing the saturation by 10% instead.

■ 12.3820, 12.9447,
11.0785

■ 12.3820, 12.9447,
11.0785

200.6368,
210.5630, 208.9620

■ 7.0784, 7.3905,
6.0048

■ 29.7998, 31.2044,
28.4441

■ 3.5580, 3.7075,
2.7792

■ 42.6448, 44.6787,
41.5731

■ 1.4552, 1.5113,
0.9830

■ 58.7343, 61.5617,
58.2243

■ 0.2951, 0.2967,
0.0000

■ 78.4336, 82.2380,
78.8162

■ 0.0000, 0.0000,
0.0000

■ 102.1082,
107.0919, 103.7674

130.1233,

136.5077, 133.4964

162.8444,
170.8699, 168.4218

■ 12.3820, 12.9447,
11.0785

■ 12.3820, 12.9447,
11.0785

■ 11.6022, 12.0429,
8.7900

■ 13.2459, 13.9102,
13.7163

■ 10.9023, 11.2016,
6.8351

■ 14.1958, 14.9393,
16.7168

■ 10.2794, 10.4195,
5.1980

■ 15.2346, 16.0341,
20.0934

■ 9.7299, 9.6947,
3.8614

■ 16.3651, 17.1960,
23.8587

■ 9.2500, 9.0254,
2.8061

■ 17.5898, 18.4264,
28.0247

■ 8.8354, 8.4093,
2.0108

■ 18.9110, 19.7265,
32.6030

■ 8.4811, 7.8440,
1.4512

■ 20.3310, 21.0978,
37.6046

■ 8.1726, 7.3232,
1.0517

■ 21.8521, 22.5414,
43.0399

■ 8.1060, 7.2109,
0.9646

■ 23.4764, 24.0585,
48.9194

Harmonies

Analogous

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



12.9518, 12.9447, 11.5527



12.3820, 12.9447, 11.0785



11.8088, 12.9447, 11.3574

Triad

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



12.3820, 12.9447, 11.0785



11.3065, 12.9447, 15.5803



13.2750, 12.9447, 15.9992

Complementary

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



12.3820, 12.9447, 11.0785



10.7705, 11.3204, 15.5274

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.



12.8119, 12.9447, 17.2395



12.3820, 12.9447, 11.0785



11.6773, 12.9447, 16.9844

Square

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



12.3820, 12.9447, 11.0785



11.1996, 12.9447, 13.8716



12.2254, 12.9447, 17.6137



13.4777, 12.9447, 14.3200

Rectangle

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



12.3820, 12.9447, 11.0785



11.4998, 12.9447, 11.9461



12.2254, 12.9447, 17.6137



13.1440, 12.9447, 16.4864

Sweetspot

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



12.3823, 12.9453, 11.0788



24.1483, 25.3789, 25.9023



11.6317, 10.9368, 12.3922



5.8236, 6.1195, 6.2027



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.



12.3823, 12.9453, 11.0788



21.6189, 22.5472, 18.1931



12.8195, 14.2102, 11.2999



3.2440, 3.4053, 3.3038



9.8319, 8.7135, 1.1637



49.2480, 42.6997, 5.6462

Inverse Universe

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



10.7705, 11.3204, 15.5274



18.1982, 19.0992, 27.6351



10.3813, 10.2257, 15.3366



3.0312, 3.1908, 3.8910



4.0998, 3.0339, 17.2918



20.1205, 13.9196, 87.8525

Previews

White Background



This preview shows how the XYZ color 12.3820, 12.9447, 11.0785 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 12.3820, 12.9447, 11.0785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

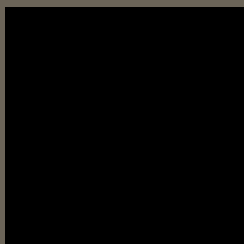
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

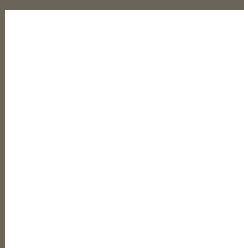
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.3820, 12.9447, 11.0785

Background



This preview shows how black text looks on a background with the XYZ color 12.3820, 12.9447, 11.0785.



This preview shows how white text looks on a background with the XYZ color 12.3820, 12.9447,

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

12.3820, 12.9447, 11.0785

Protanopia

12.1443, 12.8222, 11.0674

Deuteranopia

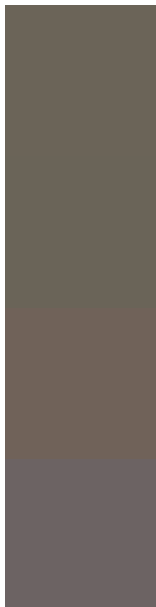
13.1481, 12.9155, 11.2512



Tritanopia

13.2242, 13.0065, 15.1781

Trichromacy



Original Color

12.3820, 12.9447, 11.0785

Protanomaly

12.2625, 12.8831, 11.0729

Deuteranomaly

12.8529, 12.9014, 11.2640

Tritanomaly

12.8983, 13.0127, 13.6363

Monochromacy



Original Color

12.3820, 12.9447, 11.0785

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.3585, 13.0355, 12.9311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3820, 12.9447, 11.0785 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, 100, 88)` looks like.

```
.text, #text, p{  
    color:rgb(107, 100, 88)  
}
```

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, 100, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 100, 88) }
```

Border

The CSS property to change the border of an element to XYZ 12.3820, 12.9447, 11.0785 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, 100, 88) }
```


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

```
.border{ border-color:rgb(107, 100, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 100, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 100, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 100, 88);  
box-shadow:4px 4px 4px 4px rgb(107, 100,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3820, 12.9447, 11.0785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 100, 88) }
```

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

```
.background{ background-color: rgb(107,  
100, 88) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor