

Converting Colors

XYZ(12.2340, 12.3654, 13.4191)

Have a look what the booklet for
XYZ(12.2340, 12.3654, 13.4191)
contains.

XYZ(12.1882, 12.3743, 13.3014)	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(12.1882, 12.3743,
13.3014)**

Conversions

Conversions Part 1

Format	Color
Hex	686162
RGB	104, 97, 98
RGB Percent	41%, 38%, 38%
CMY	0.5922, 0.6196, 0.6157
CMYK	0.00, 0.07, 0.06, 0.59
HSL	351°, 3%, 39%
HSV	351°, 7%, 41%
XYZ	12.1882, 12.3743, 13.3014
YIQ	99.2070, 3.8510, 1.7950

Conversions

Conversions Part 2

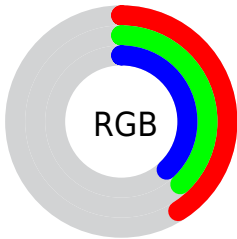
Format	Color
R_{YB}	104, 97, 98
Decimal	6840674
CIE _{Lab}	41.80, 2.98, 0.43
CIE _{LCh}	42, 3.008, 8.144
Yxy	12.3743, 0.3219, 0.3268
Android (android.graphics.Color)	4285030754 (0xFF686162)
YUV	99.2070, -0.5951, 4.2035
Hunter-Lab	35.1771, 0.2869, 2.2049

Details

The XYZ color **12.1882, 12.3743, 13.3014** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3287, 13.4215, 14.7734**, and the grayscale version is **11.9130, 12.5334, 13.6489**.

A 20% lighter version of the original color is **29.5323, 30.3183, 32.7293**, and **3.4910, 3.4854, 3.7376** is the 20% darker color. If you saturate the color by 10%, you get **10.8918, 10.4180, 10.9066**, and if you desaturate by 10%, it is **13.6582, 14.6025, 15.9859**.

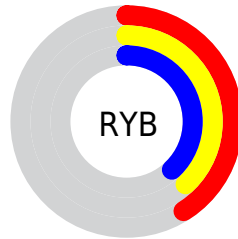
Distribution



Red (41%)

Green (38%)

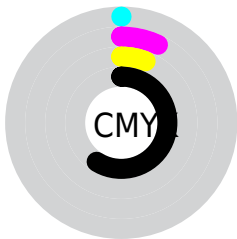
Blue (38%)



Red (41%)

Yellow (38%)

Blue (38%)

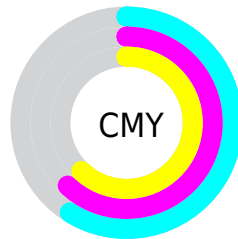


Cyan (0%)

Magenta (7%)

Yellow (6%)

Black (59%)



Cyan (59%)

Magenta (62%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1882, 12.3743, 13.3014 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 12.1882, 12.3743, 13.3014 by changing the saturation by 10% instead.

■ 12.1882, 12.3743,
13.3014

■ 12.1882, 12.3743,
13.3014

199.3918,
206.8677, 224.1156

■ 6.9451, 6.9991,
7.5033

■ 29.4513, 30.1750,
32.5433

■ 3.4738, 3.4616,
3.6956

■ 42.2020, 43.3693,
46.8241

■ 1.4090, 1.3772,
1.4599

■ 58.1860, 59.9388,
64.7696

■ 0.2626, 0.1998,
0.1878

■ 77.7685, 80.2679,
86.7983

■ 0.0000, 0.0000,
0.0000

101.3150,
104.7409, 113.3287

129.1908,

133.7423, 144.7793

161.7613,
167.6565, 181.5688

■ 12.1882, 12.3743,
13.3014

■ 12.1882, 12.3743,
13.3014

■ 10.8918, 10.4180,
10.9066

■ 13.6582, 14.6025,
15.9859

■ 9.7616, 8.7216,
8.7909

■ 15.3069, 17.1107,
18.9684

■ 8.7911, 7.2747,
6.9443

■ 17.1404, 19.9087,
22.2581

■ 7.9730, 6.0653,
5.3562

■ 19.1641, 23.0055,
25.8633

■ 7.2997, 5.0810,
4.0147

■ 21.3833, 26.4095,
29.7923

■ 6.7625, 4.3075,
2.9076

■ 23.8032, 30.1288,
34.0528

■ 6.3519, 3.7296,
2.0211

■ 26.4285, 34.1714,
38.6523

■ 6.0573, 3.3295,
1.3403

■ 29.2641, 38.5448,
43.5983

■ 5.8530, 3.0598,
0.8438

■ 32.3144, 43.2562,
48.8978

Harmonies

Analogous

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



12.1613, 12.3743, 13.9329



12.1882, 12.3743, 13.3014



12.0997, 12.3743, 12.7339

Triad

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



12.1882, 12.3743, 13.3014



11.5002, 12.3743, 12.5365



11.6035, 12.3743, 14.6380

Complementary

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



12.1882, 12.3743, 13.3014



12.3287, 13.4215, 14.7734

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.



11.4295, 12.3743, 14.2412



12.1882, 12.3743, 13.3014



11.3704, 12.3743, 13.0244

Square

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



12.1882, 12.3743, 13.3014



11.7012, 12.3743, 12.3014



11.3447, 12.3743, 13.6471



11.8219, 12.3743, 14.7178

Rectangle

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



12.1882, 12.3743, 13.3014



11.9877, 12.3743, 12.4635



11.3447, 12.3743, 13.6471



11.5380, 12.3743, 14.5367

Sweetspot

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



12.1885, 12.3748, 13.3017



22.5499, 23.4762, 25.4725



12.3615, 12.4300, 14.8445



5.5123, 5.7438, 6.2342



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.1885, 12.3748, 13.3017



21.0241, 21.1668, 22.6756



12.3715, 12.8157, 13.1316



2.8439, 2.8522, 3.0507



7.1337, 3.6664, 0.8364



37.0006, 19.0402, 3.2805

Inverse Universe

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



12.1885, 12.3748, 13.3017



21.0241, 21.1668, 22.6756



12.1361, 12.9558, 14.9578



2.8439, 2.8522, 3.0507



7.1337, 3.6664, 0.8364



37.0006, 19.0402, 3.2805

Previews

White Background



This preview shows how the XYZ color 12.1882, 12.3743, 13.3014 looks on a white background.

Color Contrast Check

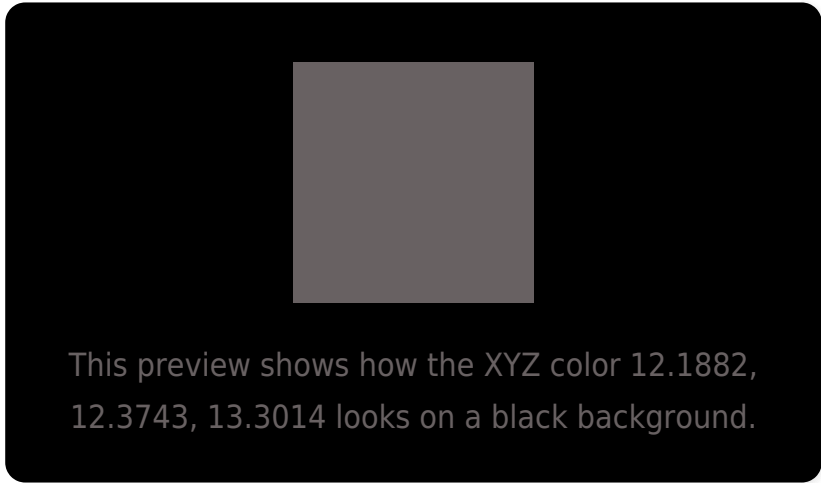
Large Text (above 18pt) WCAG AA ✓ Pass

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

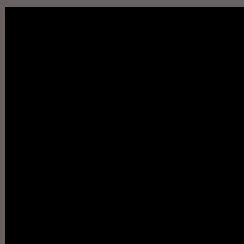
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1882, 12.3743, 13.3014

Background



This preview shows how black text looks on a background with the XYZ color 12.1882, 12.3743, 13.3014.



This preview shows how white text looks on a background with the XYZ color 12.1882, 12.3743,

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

12.1882, 12.3743, 13.3014

Protanopia

11.8753, 12.3455, 13.5614

Deuteranopia

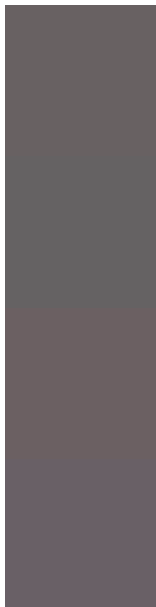
12.4812, 12.2544, 13.2628



Tritanopia

12.5073, 12.3685, 14.8249

Trichromacy



Original Color

12.1882, 12.3743, 13.3014

Protanomaly

11.9866, 12.4029, 13.5666

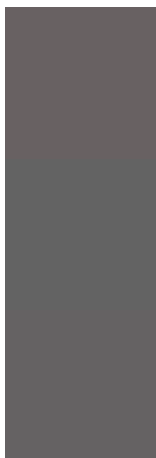
Deuteranomaly

12.4509, 12.3734, 13.2873

Tritanomaly

12.4068, 12.3283, 14.2961

Monochromacy



Original Color

12.1882, 12.3743, 13.3014

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.9866, 12.4029, 13.5666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1882, 12.3743, 13.3014 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(104, 97, 98) looks like.

```
.text, #text, p{  
    color:rgb(104, 97, 98)  
}
```

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(104, 97, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 97, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.1882, 12.3743, 13.3014 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(104, 97, 98) }
```


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

```
.border{ border-color:rgb(104, 97, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 97, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 97, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 97, 98);  
box-shadow:4px 4px 4px 4px rgb(104, 97,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1882, 12.3743, 13.3014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 97, 98) }
```

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

```
.background{ background-color: rgb(104, 97,  
98) }
```

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