

Converting Colors

XYZ(12.4907, 12.4994, 12.9962)

Have a look what the booklet for
XYZ(12.4907, 12.4994, 12.9962)
contains.

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Color

**XYZ(12.4958, 12.5383,
13.0708)**

Conversions

Conversions Part 1

Format	Color
Hex	6B6161
RGB	107, 97, 97
RGB Percent	42%, 38%, 38%
CMY	0.5804, 0.6196, 0.6196
CMYK	0.00, 0.09, 0.09, 0.58
HSL	0°, 5%, 40%
HSV	0°, 9%, 42%
XYZ	12.4958, 12.5383, 13.0708
YIQ	99.9900, 5.9600, 2.1200

Conversions

Conversions Part 2

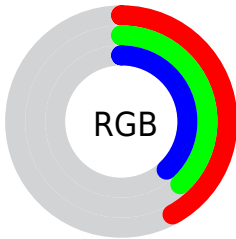
Format	Color
R_{YB}	107, 97, 97
Decimal	7037281
CIE Lab	42.06, 3.99, 1.44
CIE LCh	42, 4.238, 19.882
Yxy	12.5383, 0.3279, 0.3290
Android (android.graphics.Color)	4285227361 (0xFF6B6161)
YUV	99.9900, -1.4741, 6.1478
Hunter-Lab	35.4095, 1.0251, 2.9007

Details

The XYZ color **12.4958, 12.5383, 13.0708** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8413, 14.1180, 15.9583**, and the grayscale version is **12.1135, 12.7443, 13.8785**.

A 20% lighter version of the original color is **30.0358, 30.5870, 32.3378**, and **3.6448, 3.5673, 3.6284** is the 20% darker color. If you saturate the color by 10%, you get **11.1075, 10.5070, 10.3104**, and if you desaturate by 10%, it is **14.0854, 14.8643, 16.2307**.

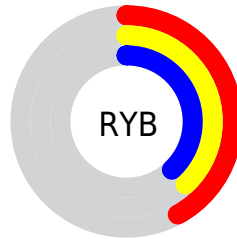
Distribution



Red (42%)

Green (38%)

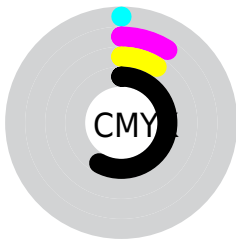
Blue (38%)



Red (42%)

Yellow (38%)

Blue (38%)

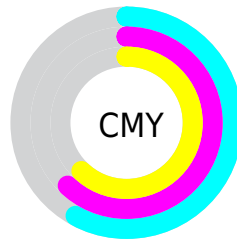


Cyan (0%)

Magenta (9%)

Yellow (9%)

Black (58%)



Cyan (58%)

Magenta (62%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4958, 12.5383, 13.0708 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 12.4958, 12.5383, 13.0708 by changing the saturation by 10% instead.

■ 12.4958, 12.5383,
13.0708

■ 12.4958, 12.5383,
13.0708

201.3641,
207.9371, 222.5947

■ 7.1569, 7.1114,
7.3460

■ 30.0040, 30.4718,
32.1240

■ 3.6076, 3.5319,
3.5977

■ 42.9040, 43.7472,
46.2894

■ 1.4826, 1.4153,
1.4074

■ 59.0551, 60.4075,
64.1056

■ 0.3140, 0.2280,
0.1474

■ 78.8226, 80.8372,
85.9908

■ 0.0000, 0.0000,
0.0000

102.5720,
105.4206, 112.3639

130.6684,

134.5421, 143.6431

163.4773,
168.5861, 180.2472

■ 12.4958, 12.5383,
13.0708

■ 12.4958, 12.5383,
13.0708

■ 11.1075, 10.5070,
10.3104

■ 14.0854, 14.8643,
16.2307

■ 9.9116, 8.7571,
7.9328

■ 15.8828, 17.4943,
19.8043

■ 8.8999, 7.2766,
5.9214

■ 17.8956, 20.4394,
23.8061

■ 8.0631, 6.0522,
4.2580

■ 20.1304, 23.7094,
28.2495

■ 7.3915, 5.0693,
2.9228

■ 22.5939, 27.3140,
33.1475

■ 6.8740, 4.3121,
1.8942

■ 25.2922, 31.2621,
38.5124

■ 6.4985, 3.7625,
1.1479

■ 28.2314, 35.5627,
44.3563

■ 6.2508, 3.4001,
0.6557

■ 31.4172, 40.2241,
50.6906

■ 6.0752, 3.1431,
0.3066

■ 34.8553, 45.2545,
57.5264

Harmonies

Analogous

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



12.5233, 12.5383, 13.9590



12.4958, 12.5383, 13.0708



12.3117, 12.5383, 12.3685

Triad

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



12.4958, 12.5383, 13.0708



11.4602, 12.5383, 12.5649



11.8112, 12.5383, 15.4313

Complementary

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



12.4958, 12.5383, 13.0708



12.8413, 14.1180, 15.9583

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.



11.5314, 12.5383, 15.0216



12.4958, 12.5383, 13.0708



11.3311, 12.5383, 13.3497

Square

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



12.4958, 12.5383, 13.0708



11.7125, 12.5383, 12.0854



11.3569, 12.5383, 14.2503



12.1244, 12.5383, 15.3486

Rectangle

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



12.4958, 12.5383, 13.0708



12.1268, 12.5383, 12.0877



11.3569, 12.5383, 14.2503



11.7102, 12.5383, 15.3460

Sweetspot

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



12.4962, 12.5389, 13.0711



24.1146, 24.9965, 26.8622



12.9921, 12.7369, 15.6838



5.7883, 5.9792, 6.4053



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.



12.4962, 12.5389, 13.0711



21.8593, 21.6965, 22.3784



12.9726, 13.4918, 13.2299



3.0998, 3.1169, 3.2557



7.3768, 3.8033, 0.3453



37.5870, 19.3777, 1.7592

Inverse Universe

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



12.8413, 14.1180, 15.9583



22.5978, 25.0758, 28.5568



12.3352, 13.1059, 15.7896



3.1817, 3.4918, 3.9412



9.6219, 14.0781, 19.1325



49.0267, 71.7320, 97.4879

Previews

White Background



This preview shows how the XYZ color 12.4958, 12.5383, 13.0708 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 12.4958, 12.5383, 13.0708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

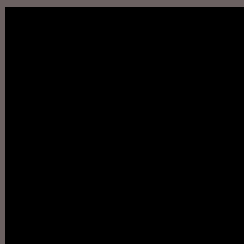
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

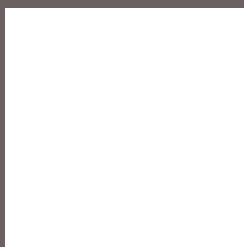
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4958, 12.5383, 13.0708

Background



This preview shows how black text looks on a background with the XYZ color 12.4958, 12.5383, 13.0708.



This preview shows how white text looks on a background with the XYZ color 12.4958, 12.5383,

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

12.4958, 12.5383, 13.0708

Protanopia

12.0333, 12.5722, 13.3477

Deuteranopia

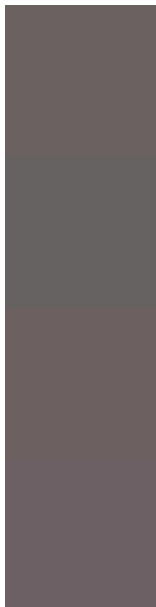
12.7709, 12.5438, 13.0574



Tritanopia

12.8659, 12.5534, 14.8416

Trichromacy



Original Color

12.4958, 12.5383, 13.0708

Protanomaly

12.1658, 12.5008, 13.3270

Deuteranomaly

12.6472, 12.4800, 13.0516

Tritanomaly

12.7162, 12.4935, 14.0532

Monochromacy



Original Color

12.4958, 12.5383, 13.0708

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.3075, 12.7081, 13.6086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4958, 12.5383, 13.0708 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, 97, 97)` looks like.

```
.text, #text, p{  
    color:rgb(107, 97, 97)  
}
```

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, 97, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 97, 97) }
```

Border

The CSS property to change the border of an element to XYZ 12.4958, 12.5383, 13.0708 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, 97, 97) }
```


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

```
.border{ border-color:rgb(107, 97, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 97, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 97, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 97, 97);  
box-shadow:4px 4px 4px 4px rgb(107, 97,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4958, 12.5383, 13.0708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 97, 97) }
```

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

```
.background{ background-color: rgb(107, 97,  
97) }
```

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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