

Converting Colors

XYZ(12.1022, 12.5185, 10.5151)

Have a look what the booklet for
XYZ(12.1022, 12.5185, 10.5151)
contains.

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Color

**XYZ(12.1108, 12.5331,
10.5849)**

Conversions

Conversions Part 1

Format	Color
Hex	6B6256
RGB	107, 98, 86
RGB Percent	42%, 38%, 34%
CMY	0.5804, 0.6157, 0.6627
CMYK	0.00, 0.08, 0.20, 0.58
HSL	34°, 11%, 38%
HSV	34°, 20%, 42%
XYZ	12.1108, 12.5331, 10.5849
YIQ	99.3230, 9.2160, -1.8240

Conversions

Conversions Part 2

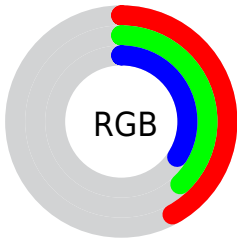
Format	Color
R_{YB}	102, 107, 86
Decimal	7037526
CIE Lab	42.05, 1.38, 8.13
CIE LCh	42, 8.243, 80.349
Yxy	12.5331, 0.3438, 0.3558
Android (android.graphics.Color)	4285227606 (0xFF6B6256)
YUV	99.3230, -6.5682, 6.7327
Hunter-Lab	35.4021, -0.8902, 7.0543

Details

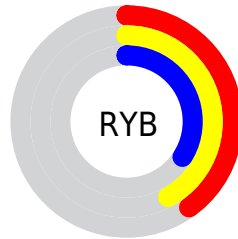
The XYZ color **12.1108, 12.5331, 10.5849** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.5837, 11.2240, 15.5186**, and the grayscale version is **11.9560, 12.5786, 13.6981**.

A 20% lighter version of the original color is **29.4895, 30.6434, 27.6531**, and **3.4319, 3.5459, 2.6014** is the 20% darker color. If you saturate the color by 10%, you get **11.2950, 11.5404, 8.3429**, and if you desaturate by 10%, it is **13.0165, 13.6019, 13.1756**.

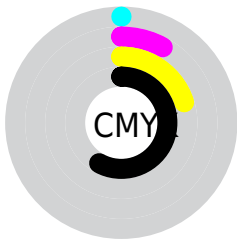
Distribution



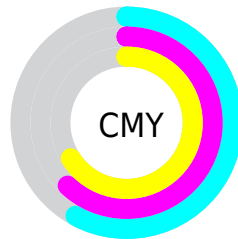
- Red (42%)
- Green (38%)
- Blue (34%)



- Red (40%)
- Yellow (42%)
- Blue (34%)



- Cyan (0%)
- Magenta (8%)
- Yellow (20%)
- Black (58%)



- Cyan (58%)
- Magenta (62%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1108, 12.5331, 10.5849 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 12.1108, 12.5331, 10.5849 by changing the saturation by 10% instead.

■ 12.1108, 12.5331,
10.5849

■ 12.1108, 12.5331,
10.5849

198.8924,
207.9033, 205.4313

■ 6.8919, 7.1078,
5.6778

■ 29.3119, 30.4624,
27.5148

■ 3.4403, 3.5296,
2.5846

■ 42.0247, 43.7352,
40.3747

■ 1.3907, 1.4141,
0.8845

■ 57.9663, 60.3927,
56.7226

■ 0.2496, 0.2271,
0.0000

■ 77.5020, 80.8191,
76.9771

■ 0.0000, 0.0000,
0.0000

■ 100.9971,
105.3990, 101.5566

128.8169,

134.5168, 130.8798

161.3269,
168.5567, 165.3652

■ 12.1108, 12.5331,
10.5849

■ 12.1108, 12.5331,
10.5849

■ 11.2950, 11.5404,
8.3429

■ 13.0165, 13.6019,
13.1756

■ 10.5646, 10.6201,
6.4337

■ 14.0140, 14.7470,
16.1286

■ 9.9167, 9.7708,
4.8411

■ 15.1067, 15.9708,
19.4574

■ 9.3474, 8.9902,
3.5475

■ 16.2973, 17.2749,
23.1749

■ 8.8526, 8.2761,
2.5333

■ 17.5885, 18.6610,
27.2933

■ 8.4277, 7.6258,
1.7768

■ 18.9828, 20.1307,
31.8241

■ 8.0676, 7.0365,
1.2526

■ 20.4827, 21.6856,
36.7785

■ 7.7520, 6.4994,
0.8574

■ 22.0905, 23.3271,
42.1673

■ 7.7406, 6.4801,
0.8428

■ 23.8086, 25.0568,
48.0007

Harmonies

Analogous

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



12.6795, 12.5331, 11.2114



12.1108, 12.5331, 10.5849



11.5076, 12.5331, 10.7229

Triad

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



12.1108, 12.5331, 10.5849



10.8422, 12.5331, 14.8528



12.8420, 12.5331, 15.9131

Complementary

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



12.1108, 12.5331, 10.5849



10.5837, 11.2240, 15.5186

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.



12.3265, 12.5331, 17.0582



12.1108, 12.5331, 10.5849



11.1767, 12.5331, 16.4107

Square

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



12.1108, 12.5331, 10.5849



10.7889, 12.5331, 13.0889



11.7161, 12.5331, 17.2477



13.1111, 12.5331, 14.2195

Rectangle

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



12.1108, 12.5331, 10.5849



11.1662, 12.5331, 11.2346



11.7161, 12.5331, 17.2477



12.6910, 12.5331, 16.3808

Sweetspot

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



12.1111, 12.5337, 10.5852



23.9062, 25.0491, 25.3456



11.4614, 10.6095, 12.2942



5.7673, 6.0410, 6.0787



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.



12.1111, 12.5337, 10.5852



20.9287, 21.5281, 16.8494



12.8339, 14.2270, 10.8739



3.2298, 3.3770, 3.2990



9.3863, 7.8223, 1.0151



46.9526, 38.1089, 4.8811

Inverse Universe

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



10.5837, 11.2240, 15.5186



17.6050, 18.6787, 27.5852



9.9497, 9.7628, 15.2699



3.0451, 3.2185, 3.8956



4.3801, 3.5945, 17.3852



21.4904, 16.6594, 88.3091

Previews

White Background



This preview shows how the XYZ color 12.1108, 12.5331, 10.5849 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 12.1108, 12.5331, 10.5849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

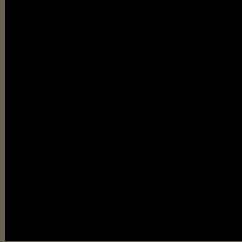
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1108, 12.5331, 10.5849

Background



This preview shows how black text looks on a background with the XYZ color 12.1108, 12.5331, 10.5849.

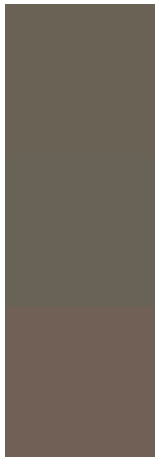


This preview shows how white text looks on a background with the XYZ color 12.1108, 12.5331,

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

12.1108, 12.5331, 10.5849

Protanopia

11.8505, 12.5386, 10.5997

Deuteranopia

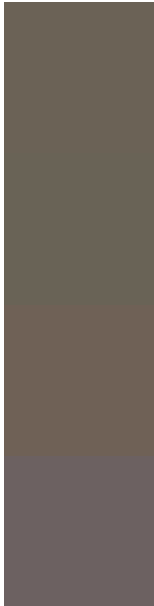
12.6726, 12.5483, 10.5582



Tritanopia

12.9377, 12.5962, 14.5814

Trichromacy



Original Color

12.1108, 12.5331, 10.5849

Protanomaly

11.9673, 12.5988, 10.6052

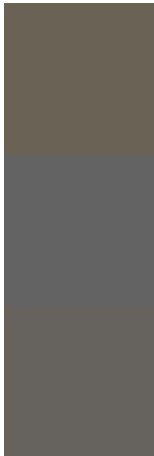
Deuteranomaly

12.5100, 12.6008, 10.5769

Tritanomaly

12.6167, 12.6006, 13.0764

Monochromacy



Original Color

12.1108, 12.5331, 10.5849

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.9617, 12.5566, 12.3829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1108, 12.5331, 10.5849 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, 98, 86) looks like.

```
.text, #text, p{  
    color:rgb(107, 98, 86)  
}
```

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, 98, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 98, 86) }
```

Border

The CSS property to change the border of an element to XYZ 12.1108, 12.5331, 10.5849 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, 98, 86) }
```


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

```
.border{ border-color:rgb(107, 98, 86) }
```

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

Here you see how a box with a 4 pixel rgb(107, 98, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 98, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 98, 86);  
box-shadow:4px 4px 4px 4px rgb(107, 98,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1108, 12.5331, 10.5849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 98, 86) }
```

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

```
.background{ background-color: rgb(107, 98,  
86) }
```

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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