

Converting Colors

XYZ(12.2227, 11.8114, 10.0541)

Have a look what the booklet for
XYZ(12.2227, 11.8114, 10.0541)
contains.

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Color

**XYZ(12.2374, 11.8051,
10.0211)**

Conversions

Conversions Part 1

Format	Color
Hex	715C54
RGB	113, 92, 84
RGB Percent	44%, 36%, 33%
CMY	0.5569, 0.6392, 0.6706
CMYK	0.00, 0.19, 0.26, 0.56
HSL	17°, 15%, 39%
HSV	17°, 26%, 44%
XYZ	12.2374, 11.8051, 10.0211
YIQ	97.3670, 15.0840, 1.9640

Conversions

Conversions Part 2

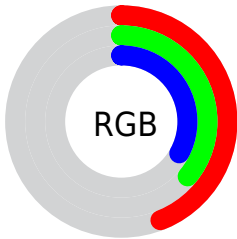
Format	Color
R_{YB}	113, 95, 84
Decimal	7429204
CIE Lab	40.90, 7.20, 7.81
CIE LCh	41, 10.623, 47.348
Yxy	11.8051, 0.3593, 0.3466
Android (android.graphics.Color)	4285619284 (0xFF715C54)
YUV	97.3670, -6.5899, 13.7101
Hunter-Lab	34.3586, 3.4484, 6.7583

Details

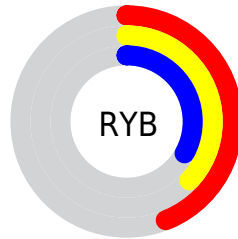
The XYZ color **12.2374, 11.8051, 10.0211** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.6882, 13.1797, 17.5507**, and the grayscale version is **11.4660, 12.0631, 13.1368**.

A 20% lighter version of the original color is **29.4931, 29.0666, 26.6102**, and **3.4576, 3.1905, 2.3530** is the 20% darker color. If you saturate the color by 10%, you get **11.1592, 10.3007, 7.6515**, and if you desaturate by 10%, it is **13.4642, 13.4922, 12.7929**.

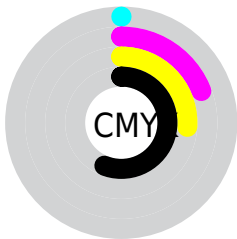
Distribution



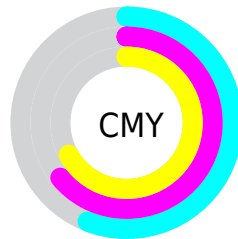
- Red (44%)
- Green (36%)
- Blue (33%)



- Red (44%)
- Yellow (37%)
- Blue (33%)



- Cyan (0%)
- Magenta (19%)
- Yellow (26%)
- Black (56%)



- Cyan (56%)
- Magenta (64%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2374, 11.8051, 10.0211 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 12.2374, 11.8051, 10.0211 by changing the saturation by 10% instead.

■ 12.2374, 11.8051,
10.0211

■ 12.2374, 11.8051,
10.0211

199.7086,
203.1107, 201.3129

■ 6.9789, 6.6111,
5.3072

■ 29.5399, 29.1396,
26.4436

■ 3.4951, 3.2201,
2.3667

■ 42.3146, 42.0490,
38.9893

■ 1.4207, 1.2477,
0.7682

■ 58.3254, 58.2989,
54.9826

■ 0.2709, 0.1002,
0.0000

■ 77.9377, 78.2737,
74.8421

■ 0.0000, 0.0000,
0.0000

■ 101.5168,
102.3579, 98.9863

129.4281,

130.9359, 127.8339

162.0369,
164.3920, 161.8032

■ 12.2374, 11.8051,
10.0211

■ 12.2374, 11.8051,
10.0211

■ 11.1592, 10.3007,
7.6515

■ 13.4642, 13.4922,
12.7929

■ 10.2229, 8.9713,
5.6645

■ 14.8442, 15.3665,
15.9836

■ 9.4224, 7.8109,
4.0400

■ 16.3829, 17.4339,
19.6102

■ 8.7512, 6.8123,
2.7558

■ 18.0853, 19.7000,
23.6881

■ 8.2017, 5.9681,
1.7872

■ 19.9561, 22.1698,
28.2323

■ 7.7658, 5.2701,
1.1060

■ 21.9999, 24.8485,
33.2569

■ 7.4300, 4.7078,
0.6578

■ 24.2209, 27.7407,
38.7755

■ 7.3048, 4.5003,
0.4836

■ 26.6235, 30.8511,
44.8011

■ 29.2117, 34.1843,
51.3462

Harmonies

Analogous

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



12.6702, 11.8051, 11.6486



12.2374, 11.8051, 10.0211



11.5427, 11.8051, 9.1953

Triad

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



12.2374, 11.8051, 10.0211



9.8572, 11.8051, 11.9608



11.6607, 11.8051, 17.2649

Complementary

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



12.2374, 11.8051, 10.0211



11.6882, 13.1797, 17.5507

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.



10.9041, 11.8051, 17.3729



12.2374, 11.8051, 10.0211



9.8856, 11.8051, 14.1392

Square

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



12.2374, 11.8051, 10.0211



10.1820, 11.8051, 10.2274



10.2614, 11.8051, 16.1754



12.3271, 11.8051, 15.8952

Rectangle

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



12.2374, 11.8051, 10.0211



11.0350, 11.8051, 9.1417



10.2614, 11.8051, 16.1754



11.4079, 11.8051, 17.4551

Sweetspot

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



12.2377, 11.8056, 10.0213



25.9244, 26.6279, 27.0912



12.5440, 10.8769, 14.8749



5.9233, 6.0605, 6.0981



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.2377, 11.8056, 10.0213



20.6924, 19.4408, 15.2455



13.5884, 14.5071, 10.4716



3.4525, 3.5376, 3.5742



8.2708, 5.0741, 0.5435



40.5641, 24.0033, 2.4951

Inverse Universe

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



11.6882, 13.1797, 17.5507



19.5212, 22.3599, 31.2625



10.3580, 10.5195, 17.1073



3.4009, 3.6671, 4.2828



6.7712, 8.1327, 18.9345



32.9812, 39.0143, 94.0713

Previews

White Background



This preview shows how the XYZ color 12.2374, 11.8051, 10.0211 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 12.2374, 11.8051, 10.0211 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 12.2374, 11.8051, 10.0211

Background



This preview shows how black text looks on a background with the XYZ color 12.2374, 11.8051, 10.0211.



This preview shows how white text looks on a background with the XYZ color 12.2374, 11.8051,

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

12.2374, 11.8051, 10.0211

Protanopia

11.2294, 11.8043, 10.4907

Deuteranopia

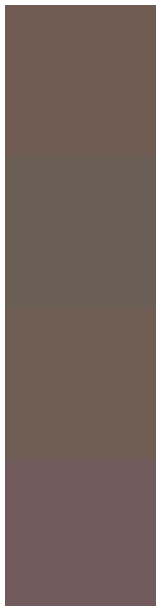
12.0701, 11.8483, 10.0383



Tritanopia

12.7533, 11.7528, 12.9056

Trichromacy



Original Color

12.2374, 11.8051, 10.0211

Protanomaly

11.5576, 11.8436, 10.2712

Deuteranomaly

12.1967, 11.9135, 10.0442

Tritanomaly

12.6123, 11.8323, 11.7443

Monochromacy



Original Color

12.2374, 11.8051, 10.0211

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.6175, 11.8407, 11.7984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2374, 11.8051, 10.0211 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(113, 92, 84)` looks like.

```
.text, #text, p{  
    color:rgb(113, 92, 84)  
}
```

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(113, 92, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 92, 84) }
```

Border

The CSS property to change the border of an element to XYZ 12.2374, 11.8051, 10.0211 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(113, 92, 84) }
```


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

```
.border{ border-color:rgb(113, 92, 84) }
```

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

Here you see how a box with a 4 pixel rgb(113, 92, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 92, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 92, 84);  
box-shadow:4px 4px 4px 4px rgb(113, 92,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2374, 11.8051, 10.0211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 92, 84) }
```

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

```
.background{ background-color: rgb(113, 92,  
84) }
```

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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