

Converting Colors

XYZ(12.0778, 11.8426, 8.3566)

Have a look what the booklet for
XYZ(12.0778, 11.8426, 8.3566)
contains.

XYZ(12.1238, 11.9141, 8.3173)	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(12.1238, 11.9141,
8.3173)**

Conversions

Conversions Part 1

Format	Color
Hex	725D4B
RGB	114, 93, 75
RGB Percent	45%, 36%, 29%
CMY	0.5529, 0.6353, 0.7059
CMYK	0.00, 0.18, 0.34, 0.55
HSL	28°, 21%, 37%
HSV	28°, 34%, 45%
XYZ	12.1238, 11.9141, 8.3173
YIQ	97.2270, 18.2940, -1.1460

Conversions

Conversions Part 2

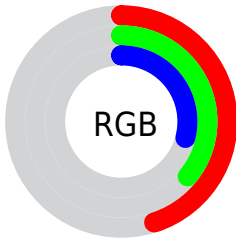
Format	Color
RYB	114, 108, 75
Decimal	7494987
CIELab	41.08, 5.66, 13.55
CIElCh	41, 14.687, 67.329
Yxy	11.9141, 0.3747, 0.3682
Android (android.graphics.Color)	4285685067 (0xFF725D4B)
YUV	97.2270, -10.9579, 14.7099
Hunter-Lab	34.5168, 2.2925, 9.8750

Details

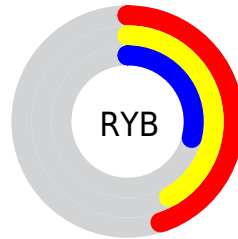
The XYZ color **12.1238, 11.9141, 8.3173** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.1217, 11.0763, 17.5241**, and the grayscale version is **11.4414, 12.0372, 13.1085**.

A 20% lighter version of the original color is **29.3969, 29.3156, 23.1779**, and **3.4438, 3.2558, 1.7432** is the 20% darker color. If you saturate the color by 10%, you get **11.2508, 10.7376, 6.2708**, and if you desaturate by 10%, it is **13.1106, 13.2062, 10.7471**.

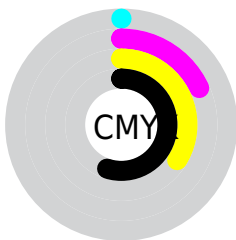
Distribution



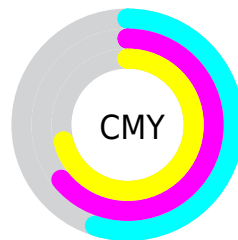
- Red (45%)
- Green (36%)
- Blue (29%)



- Red (45%)
- Yellow (42%)
- Blue (29%)



- Cyan (0%)
- Magenta (18%)
- Yellow (34%)
- Black (55%)





- Cyan (55%)
- Magenta (64%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1238, 11.9141, 8.3173 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 12.1238, 11.9141, 8.3173 by changing the saturation by 10% instead.


 12.1238, 11.9141,
8.3173


 12.1238, 11.9141,
8.3173


198.9764,
203.8358, 188.2266


 6.9008, 6.6852,
4.2080


 29.3353, 29.3386,
23.1345


 3.4459, 3.2660,
1.7401

 42.0545, 42.3029,
34.6795


 1.3937, 1.2721,
0.3880

 58.0032, 58.6146,
49.5401

 0.2518, 0.1195,
0.0000

 77.5468, 78.6579,
68.1349

 0.0000, 0.0000,
0.0000

 101.0505,
102.8173, 90.8824

128.8798,

131.4771, 118.2011

161.4000,
165.0218, 150.5097

■ 12.1238, 11.9141,
8.3173

■ 12.1238, 11.9141,
8.3173

■ 11.2508, 10.7376,
6.2708

■ 13.1106, 13.2062,
10.7471

■ 10.4860, 9.6716,
4.5867

■ 14.2147, 14.6155,
13.5780

■ 9.8246, 8.7128,
3.2436

■ 15.4406, 16.1459,
16.8275

■ 9.2608, 7.8572,
2.2171

■ 16.7923, 17.8003,
20.5119

■ 8.7884, 7.1006,
1.4797

■ 18.2735, 19.5816,
24.6467

■ 8.3983, 6.4373,
0.9894

■ 19.8879, 21.4928,
29.2466

■ 8.1954, 6.0893,
0.7434

■ 21.6388, 23.5365,
34.3254

■ 23.5296, 25.7154,
39.8967

■ 25.5635, 28.0320,
45.9733

Harmonies

Analogous

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



13.0144, 11.9141, 9.7596



12.1238, 11.9141, 8.3173



11.0673, 11.9141, 8.0224

Triad

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



12.1238, 11.9141, 8.3173



9.4293, 11.9141, 13.7275



12.5988, 11.9141, 18.1606

Complementary

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



12.1238, 11.9141, 8.3173



10.1217, 11.0763, 17.5241

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.



11.5847, 11.9141, 19.6278



12.1238, 11.9141, 8.3173



9.7867, 11.9141, 16.8227

Square

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



12.1238, 11.9141, 8.3173



9.5539, 11.9141, 10.8601



10.5602, 11.9141, 19.1036



13.3003, 11.9141, 15.3424

Rectangle

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



12.1238, 11.9141, 8.3173



10.4182, 11.9141, 8.4665



10.5602, 11.9141, 19.1036



12.2808, 11.9141, 18.8466

Sweetspot

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



12.1241, 11.9147, 8.3175



25.8048, 26.7208, 26.0277



11.5877, 9.4626, 12.3911



5.9153, 6.1139, 5.8809



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.



12.1241, 11.9147, 8.3175



20.0851, 19.2979, 11.7391



14.0092, 15.6849, 8.9459



3.4996, 3.6316, 3.5899



9.1065, 6.7454, 0.8220



44.5185, 31.9122, 3.8133

Inverse Universe

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



10.1217, 11.0763, 17.5241



15.9978, 17.5849, 30.5265



8.5895, 8.0117, 17.0134



3.3524, 3.5701, 4.2666



5.2444, 5.0790, 18.4255



25.2540, 23.5599, 91.4956

Previews

White Background



This preview shows how the XYZ color 12.1238, 11.9141, 8.3173 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 12.1238, 11.9141, 8.3173 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

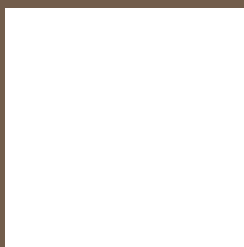
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1238, 11.9141, 8.3173

Background



This preview shows how black text looks on a background with the XYZ color 12.1238, 11.9141, 8.3173.



This preview shows how white text looks on a background with the XYZ color 12.1238, 11.9141,

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

12.1238, 11.9141, 8.3173

Protanopia

11.2078, 11.9688, 8.7407

Deuteranopia

12.1238, 11.9141, 8.3173



Tritanopia

13.0163, 11.8884, 12.9179

Trichromacy



Original Color

12.1238, 11.9141, 8.3173

Protanomaly

11.5508, 12.0133, 8.5475

Deuteranomaly

12.1238, 11.9141, 8.3173

Tritanomaly

12.6145, 11.8483, 11.0733

Monochromacy



Original Color

12.1238, 11.9141, 8.3173

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.5796, 11.9706, 11.1514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1238, 11.9141, 8.3173 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(114, 93, 75)` looks like.

```
.text, #text, p{  
    color:rgb(114, 93, 75)  
}
```

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(114, 93, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 93, 75) }
```

Border

The CSS property to change the border of an element to XYZ 12.1238, 11.9141, 8.3173 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(114, 93, 75) }
```


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

```
.border{ border-color:rgb(114, 93, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 93, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 93, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 93, 75);  
box-shadow:4px 4px 4px 4px rgb(114, 93,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1238, 11.9141, 8.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 93, 75) }
```

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

```
.background{ background-color: rgb(114, 93,  
75) }
```

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