

Converting Colors

XYZ(12.0680, 12.7479, 9.8222)

Have a look what the booklet for
XYZ(12.0680, 12.7479, 9.8222)
contains.

XYZ(12.1436, 12.8493, 9.8228)	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(12.1436, 12.8493,
9.8228)**

Conversions

Conversions Part 1

Format	Color
Hex	6B6452
RGB	107, 100, 82
RGB Percent	42%, 39%, 32%
CMY	0.5804, 0.6078, 0.6784
CMYK	0.00, 0.07, 0.23, 0.58
HSL	43°, 13%, 37%
HSV	43°, 23%, 42%
XYZ	12.1436, 12.8493, 9.8228
YIQ	100.0410, 9.9500, -4.1140

Conversions

Conversions Part 2

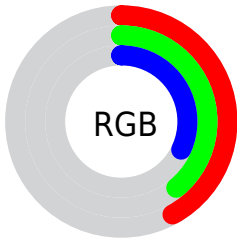
Format	Color
RYB	92, 107, 82
Decimal	7038034
CIELab	42.54, -0.48, 11.22
CIELCh	43, 11.234, 92.438
Yxy	12.8493, 0.3488, 0.3691
Android (android.graphics.Color)	4285228114 (0xFF6B6452)
YUV	100.0410, -8.8942, 6.1030
Hunter-Lab	35.8459, -2.2595, 8.8450

Details

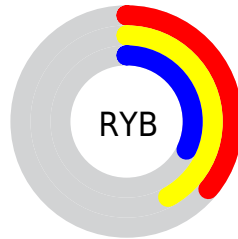
The XYZ color **12.1436, 12.8493, 9.8228** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **9.7060, 10.0001, 15.3288**, and the grayscale version is **12.1440, 12.7765, 13.9136**.

A 20% lighter version of the original color is **29.4614, 31.1428, 25.9311**, and **3.4567, 3.7017, 2.2826** is the 20% darker color. If you saturate the color by 10%, you get **11.4859, 12.1354, 7.7490**, and if you desaturate by 10%, it is **12.8761, 13.6109, 12.2352**.

Distribution



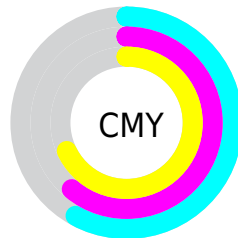
- Red (42%)
- Green (39%)
- Blue (32%)



- Red (36%)
- Yellow (42%)
- Blue (32%)



- Cyan (0%)
- Magenta (7%)
- Yellow (23%)
- Black (58%)





- Cyan (58%)
- Magenta (61%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1436, 12.8493, 9.8228 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 12.1436, 12.8493, 9.8228 by changing the saturation by 10% instead.


 12.1436, 12.8493,
9.8228


 12.1436, 12.8493,
9.8228


199.1042,
209.9496, 199.8413


 6.9144, 7.3249,
5.1776


 29.3710, 31.0328,
26.0643


 3.4545, 3.6661,
2.2913


 42.0999, 44.4606,
38.4975


 1.3984, 1.4886,
0.7263

 58.0594, 61.2917,
54.3639

 0.2551, 0.2807,
0.0000

 77.6150, 81.9104,
74.0820

 0.0000, 0.0000,
0.0000

 101.1319,
106.7011, 98.0702

128.9755,

136.0483, 126.7471

161.5111,
170.3363, 160.5313

■ 12.1436, 12.8493,
9.8228

■ 12.1436, 12.8493,
9.8228

■ 11.4859, 12.1354,
7.7490

■ 12.8761, 13.6109,
12.2352

■ 10.8988, 11.4660,
5.9974

■ 13.6852, 14.4199,
14.9998

■ 10.3796, 10.8403,
4.5517

■ 14.5739, 15.2779,
18.1306

■ 9.9245, 10.2566,
3.3936

■ 15.5449, 16.1862,
21.6405

■ 9.5297, 9.7132,
2.5028

■ 16.6004, 17.1460,
25.5418

■ 9.1906, 9.2081,
1.8567

■ 17.7429, 18.1583,
29.8461

■ 8.9009, 8.7384,
1.4215

■ 18.9746, 19.2242,
34.5648

■ 8.7207, 8.4402,
1.1695

■ 20.2976, 20.3447,
39.7087

■ 21.7140, 21.5209,
45.2880

Harmonies

Analogous

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



12.9833, 12.8493, 10.2442



12.1436, 12.8493, 9.8228



11.3586, 12.8493, 10.4065

Triad

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



12.1436, 12.8493, 9.8228



10.8872, 12.8493, 16.6493



13.7169, 12.8493, 16.2657

Complementary

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



12.1436, 12.8493, 9.8228



9.7060, 10.0001, 15.3288

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.



13.1090, 12.8493, 18.3157



12.1436, 12.8493, 9.8228



11.4735, 12.8493, 18.5546

Square

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



12.1436, 12.8493, 9.8228



10.6545, 12.8493, 14.1904



12.2824, 12.8493, 19.1968



13.9163, 12.8493, 13.7929

Rectangle

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



12.1436, 12.8493, 9.8228



10.9648, 12.8493, 11.3315



12.2824, 12.8493, 19.1968



13.5522, 12.8493, 17.0365

Sweetspot

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



12.1439, 12.8499, 9.8231



23.9329, 25.2548, 24.8849



10.8876, 9.8833, 10.8036



5.7799, 6.0999, 5.9789



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.



12.1439, 12.8499, 9.8231



21.0895, 22.3047, 15.5005



12.2133, 13.9253, 10.0270



3.2651, 3.4474, 3.3108



10.5829, 10.2156, 1.4140



53.1651, 50.5338, 6.9519

Inverse Universe

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



9.7060, 10.0001, 15.3288



15.9079, 16.2488, 27.2056



9.6408, 9.1427, 15.1667



3.0110, 3.1504, 3.8843



3.7679, 2.3701, 17.1811



18.5501, 10.7788, 87.3290

Previews

White Background



This preview shows how the XYZ color 12.1436, 12.8493, 9.8228 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 12.1436, 12.8493, 9.8228 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

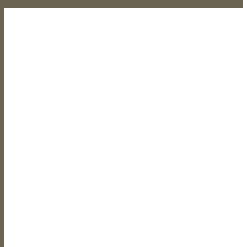
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1436, 12.8493, 9.8228

Background



This preview shows how black text looks on a background with the XYZ color 12.1436, 12.8493, 9.8228.



This preview shows how white text looks on a background with the XYZ color 12.1436, 12.8493,

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

12.1436, 12.8493, 9.8228

Protanopia

12.0240, 12.7877, 9.8172

Deuteranopia

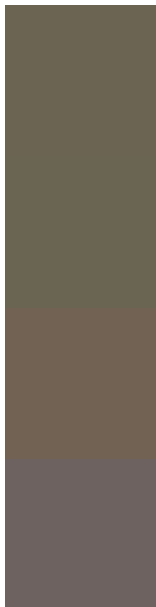
13.0385, 12.8869, 9.9838



Tritanopia

13.2038, 12.8639, 14.8838

Trichromacy



Original Color

12.1436, 12.8493, 9.8228

Protanomaly

12.0240, 12.7877, 9.8172

Deuteranomaly

12.7391, 12.8706, 9.9965

Tritanomaly

12.7857, 12.8311, 12.8691

Monochromacy



Original Color

12.1436, 12.8493, 9.8228

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.1265, 12.7882, 12.1852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1436, 12.8493, 9.8228 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, 100, 82)` looks like.

```
.text, #text, p{  
    color:rgb(107, 100, 82)  
}
```

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, 100, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 100, 82) }
```

Border

The CSS property to change the border of an element to XYZ 12.1436, 12.8493, 9.8228 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, 100, 82) }
```


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

```
.border{ border-color:rgb(107, 100, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 100, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 100, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 100, 82);  
box-shadow:4px 4px 4px 4px rgb(107, 100,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1436, 12.8493, 9.8228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 100, 82) }
```

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

```
.background{ background-color: rgb(107,  
100, 82) }
```

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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