

Converting Colors

XYZ(12.7567, 14.2335, 9.4817)

Have a look what the booklet for
XYZ(12.7567, 14.2335, 9.4817)
contains.

XYZ(12.7324, 14.2057, 9.4680)	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(12.7324, 14.2057,
9.4680)**

Conversions

Conversions Part 1

Format	Color
Hex	6B6B4F
RGB	107, 107, 79
RGB Percent	42%, 42%, 31%
CMY	0.5804, 0.5804, 0.6902
CMYK	0.00, 0.00, 0.26, 0.58
HSL	60°, 15%, 36%
HSV	60°, 26%, 42%
XYZ	12.7324, 14.2057, 9.4680
YIQ	103.8080, 8.9880, -8.7080

Conversions

Conversions Part 2

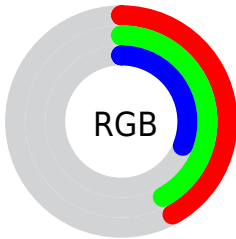
Format	Color
R_{YB}	79, 107, 79
Decimal	7039823
CIE Lab	44.53, -5.05, 15.75
CIE LCh	45, 16.541, 107.793
Yxy	14.2057, 0.3497, 0.3902
Android (android.graphics.Color)	4285229903 (0xFF6B6B4F)
YUV	103.8080, -12.2303, 2.7994
Hunter-Lab	37.6904, -5.6583, 11.4894

Details

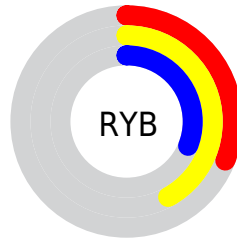
The XYZ color **12.7324, 14.2057, 9.4680** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.6747, 8.3161, 15.0587**, and the grayscale version is **13.1370, 13.8212, 15.0513**.

A 20% lighter version of the original color is **30.4212, 33.3832, 25.2623**, and **3.7082, 4.2770, 2.1435** is the 20% darker color. If you saturate the color by 10%, you get **12.3739, 14.0628, 7.5793**, and if you desaturate by 10%, it is **13.1543, 14.3750, 11.6876**.

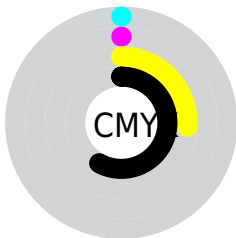
Distribution



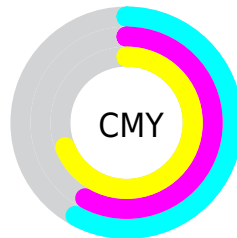
- Red (42%)
- Green (42%)
- Blue (31%)



- Red (31%)
- Yellow (42%)
- Blue (31%)



- Cyan (0%)
- Magenta (0%)
- Yellow (26%)
- Black (58%)



- Cyan (58%)
- Magenta (58%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7324, 14.2057, 9.4680 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 12.7324, 14.2057, 9.4680 by changing the saturation by 10% instead.

■ 12.7324, 14.2057,
9.4680

■ 12.7324, 14.2057,
9.4680

202.8679,
218.5068, 197.1766

■ 7.3203, 8.2639,
4.9467

■ 30.4276, 33.4536,
25.3819

■ 3.7113, 4.2643,
2.1578

■ 43.4414, 47.5284,
37.6116

■ 1.5401, 1.8225,
0.6499

■ 59.7198, 65.0830,
53.2479

■ 0.3529, 0.5011,
0.0000

■ 79.6281, 86.5018,
72.7093

■ 0.0000, 0.0000,
0.0000

■ 103.5317,
112.1692, 96.4143

131.7960,

142.4696, 124.7815

164.7863,
177.7873, 158.2294

■ 12.7324, 14.2057,
9.4680

■ 12.7324, 14.2057,
9.4680

■ 12.3739, 14.0628,
7.5793

■ 13.1543, 14.3750,
11.6876

■ 12.0748, 13.9431,
6.0048

■ 13.6414, 14.5698,
14.2520

■ 11.8322, 13.8461,
4.7277

■ 14.1966, 14.7919,
17.1752

■ 11.6425, 13.7702,
3.7294

■ 14.8225, 15.0423,
20.4703

■ 11.5018, 13.7139,
2.9890

■ 15.5213, 15.3218,
24.1498

■ 11.4056, 13.6754,
2.4829

■ 16.2954, 15.6315,
28.2254

■ 11.3432, 13.6504,
2.1546

■ 17.1468, 15.9721,
32.7086

■ 11.3207, 13.6414,
2.0364

■ 18.0778, 16.3444,
37.6102

■ 19.0901, 16.7494,
42.9406

Harmonies

Analogous

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



14.0524, 14.2057, 9.3349



12.7324, 14.2057, 9.4680



11.6877, 14.2057, 11.0338

Triad

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



12.7324, 14.2057, 9.4680



11.8492, 14.2057, 21.5805



16.1710, 14.2057, 17.0755

Complementary

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



12.7324, 14.2057, 9.4680



8.6747, 8.3161, 15.0587

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.



15.4952, 14.2057, 20.9538



12.7324, 14.2057, 9.4680



12.9663, 14.2057, 23.8278

Square

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



12.7324, 14.2057, 9.4680



11.2014, 14.2057, 17.8258



14.3022, 14.2057, 23.5812



16.0981, 14.2057, 13.3271

Rectangle

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



12.7324, 14.2057, 9.4680



11.2612, 14.2057, 12.8509



14.3022, 14.2057, 23.5812



16.0221, 14.2057, 18.4174

Sweetspot

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



12.7328, 14.2063, 9.4683



24.2363, 26.0122, 24.5228



10.2711, 9.2826, 8.6477



5.8395, 6.2854, 5.7948



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.



12.7328, 14.2063, 9.4683



22.4185, 25.2850, 14.9526



11.1837, 13.4078, 9.3958



3.3331, 3.5835, 3.3335



13.7715, 16.5946, 2.4773



70.1712, 84.5567, 12.6227

Inverse Universe

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



8.6747, 8.3161, 15.0587



13.9117, 12.9373, 26.6716



9.9644, 8.9809, 15.1190



2.9484, 3.0252, 3.8634



3.2287, 1.2915, 17.0014



16.4512, 6.5805, 86.6293

Previews

White Background



This preview shows how the XYZ color 12.7324, 14.2057, 9.4680 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 12.7324, 14.2057, 9.4680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

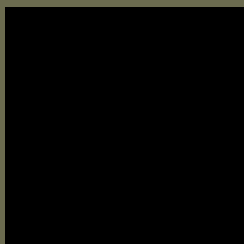
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

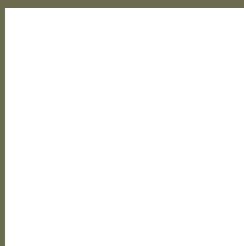
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7324, 14.2057, 9.4680

Background



This preview shows how black text looks on a background with the XYZ color 12.7324, 14.2057, 9.4680.



This preview shows how white text looks on a background with the XYZ color 12.7324, 14.2057,

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

12.7324, 14.2057, 9.4680

Protanopia

13.2368, 14.1639, 9.2440

Deuteranopia

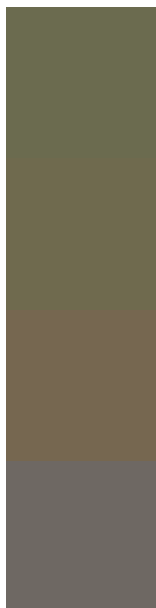
14.4138, 14.1716, 9.5651



Tritanopia

14.2750, 14.2277, 17.0328

Trichromacy



Original Color

12.7324, 14.2057, 9.4680

Protanomaly

13.0847, 14.2376, 9.2662

Deuteranomaly

13.7694, 14.1312, 9.5913

Tritanomaly

13.6329, 14.1165, 13.8106

Monochromacy



Original Color

12.7324, 14.2057, 9.4680

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9428, 13.9326, 12.8336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7324, 14.2057, 9.4680 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, 107, 79)` looks like.

```
.text, #text, p{  
    color:rgb(107, 107, 79)  
}
```

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, 107, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 107, 79) }
```

Border

The CSS property to change the border of an element to XYZ 12.7324, 14.2057, 9.4680 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, 107, 79) }
```


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

```
.border{ border-color:rgb(107, 107, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 107, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 107, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 107, 79);  
box-shadow:4px 4px 4px 4px rgb(107, 107,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7324, 14.2057, 9.4680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 107, 79) }
```

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

```
.background{ background-color: rgb(107,  
107, 79) }
```

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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