

Converting Colors

XYZ(12.1440, 14.9129, 7.3927)

Have a look what the booklet for
XYZ(12.1440, 14.9129, 7.3927)
contains.

XYZ(12.1440, 14.9129, 7.3927)	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(12.1440, 14.9129,
7.3927)**

Conversions

Conversions Part 1

Format	Color
Hex	647142
RGB	100, 113, 66
RGB Percent	39%, 44%, 26%
CMY	0.6078, 0.5569, 0.7412
CMYK	0.12, 0.00, 0.42, 0.56
HSL	77°, 26%, 35%
HSV	77°, 42%, 44%
XYZ	12.1440, 14.9129, 7.3927
YIQ	103.7550, 7.3390, -17.3730

Conversions

Conversions Part 2

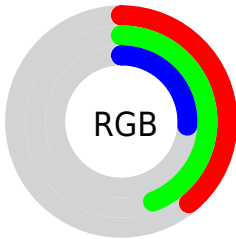
Format	Color
RYB	66, 113, 79
Decimal	6582594
CIELab	45.51, -13.32, 24.47
CIElCh	46, 27.858, 118.558
Yxy	14.9129, 0.3525, 0.4329
Android (android.graphics.Color)	4284772674 (0xFF647142)
YUV	103.7550, -18.6132, -3.2931
Hunter-Lab	38.6172, -11.4471, 15.6819

Details

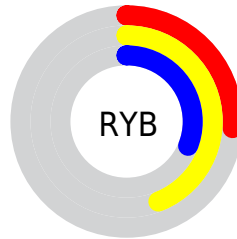
The XYZ color **12.1440, 14.9129, 7.3927** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.1539, 6.7514, 16.4970**, and the grayscale version is **13.1397, 13.8240, 15.0543**.

A 20% lighter version of the original color is **29.4985, 34.8235, 21.3865**, and **3.4418, 4.5648, 1.4092** is the 20% darker color. If you saturate the color by 10%, you get **11.5042, 14.6183, 5.7923**, and if you desaturate by 10%, it is **12.8637, 15.2420, 9.3412**.

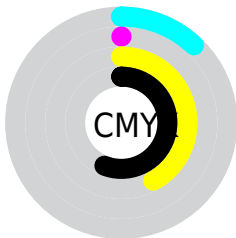
Distribution



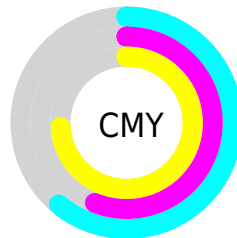
- Red (39%)
- Green (44%)
- Blue (26%)



- Red (26%)
- Yellow (44%)
- Blue (31%)



- Cyan (12%)
- Magenta (0%)
- Yellow (42%)
- Black (56%)



- Cyan (61%)
- Magenta (56%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1440, 14.9129, 7.3927 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 12.1440, 14.9129, 7.3927 by changing the saturation by 10% instead.

12.1440, 14.9129,
7.3927

12.1440, 14.9129,
7.3927

199.1068,
222.8384, 180.6409

6.9147, 8.7583,
3.6267

29.3717, 34.7003,
21.2851

3.4547, 4.5839,
1.4229

42.1008, 49.1019,
32.2487

1.3985, 2.0052,
0.1595

58.0606, 67.0212,
46.4485

0.2552, 0.6105,
0.0000

77.6164, 88.8428,
64.3032

0.0000, 0.0000,
0.0000

101.1335,
114.9508, 86.2312

128.9774,

145.7299, 112.6512

161.5134,
181.5643, 143.9815

■ 12.1440, 14.9129,
7.3927

■ 12.1440, 14.9129,
7.3927

■ 11.5042, 14.6183,
5.7923

■ 12.8637, 15.2420,
9.3412

■ 10.9391, 14.3546,
4.5184

■ 13.6658, 15.6051,
11.6556

■ 10.4447, 14.1207,
3.5488

■ 14.5543, 16.0044,
14.3539

■ 10.0158, 13.9144,
2.8577

■ 15.5324, 16.4410,
17.4523

■ 9.6467, 13.7336,
2.4152

■ 16.6030, 16.9163,
20.9662

■ 9.3626, 13.5931,
2.1303

■ 17.7693, 17.4314,
24.9104

■ 19.0338, 17.9875,
29.2987

■ 20.3993, 18.5856,
34.1443

■ 21.8683, 19.2268,
39.4599

Harmonies

Analogous

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



14.2870, 14.9129, 6.5114



12.1440, 14.9129, 7.3927



10.6941, 14.9129, 10.4360

Triad

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



12.1440, 14.9129, 7.3927



11.9692, 14.9129, 29.7828



19.1260, 14.9129, 16.5617

Complementary

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



12.1440, 14.9129, 7.3927



8.1539, 6.7514, 16.4970

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.



18.3378, 14.9129, 23.8681



12.1440, 14.9129, 7.3927



14.0621, 14.9129, 32.6811

Square

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



12.1440, 14.9129, 7.3927



10.6012, 14.9129, 23.1544



16.4191, 14.9129, 30.2679



18.4716, 14.9129, 10.8569

Rectangle

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



12.1440, 14.9129, 7.3927



10.2309, 14.9129, 13.8294



16.4191, 14.9129, 30.2679



19.0195, 14.9129, 18.9104

Sweetspot

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



12.1444, 14.9136, 7.3930



25.9397, 28.6030, 25.3264



10.5564, 9.4294, 6.4182



5.9643, 6.5993, 5.7500



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.



12.1444, 14.9136, 7.3930



20.6269, 26.1882, 10.4374



9.9469, 13.7807, 7.2902



3.5563, 3.8721, 3.6333



10.6004, 15.4084, 2.4154



51.9400, 76.3100, 11.9918

Inverse Universe

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



8.1539, 6.7514, 16.4970



12.4409, 9.4272, 29.1394



10.4126, 7.9158, 16.6027



3.2963, 3.3410, 4.2254



4.0133, 1.6783, 17.8340



19.2565, 7.9815, 88.8048

Previews

White Background



This preview shows how the XYZ color 12.1440, 14.9129, 7.3927 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 12.1440, 14.9129, 7.3927 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 12.1440, 14.9129, 7.3927

Background



This preview shows how black text looks on a background with the XYZ color 12.1440, 14.9129, 7.3927.



This preview shows how white text looks on a background with the XYZ color 12.1440, 14.9129,

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

12.1440, 14.9129, 7.3927

Protanopia

13.7592, 14.9468, 7.0103

Deuteranopia

15.0996, 14.8637, 7.5420



Tritanopia

14.3539, 14.8405, 18.6310

Trichromacy



Original Color

12.1440, 14.9129, 7.3927

Protanomaly

13.0856, 14.9130, 7.1898

Deuteranomaly

13.8786, 14.8426, 7.4436

Tritanomaly

13.3822, 14.7622, 13.6993

Monochromacy



Original Color

12.1440, 14.9129, 7.3927

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.6967, 14.1371, 11.7324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1440, 14.9129, 7.3927 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(100, 113, 66)` looks like.

```
.text, #text, p{  
    color:rgb(100, 113, 66)  
}
```

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(100, 113, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 113, 66) }
```

Border

The CSS property to change the border of an element to XYZ 12.1440, 14.9129, 7.3927 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(100, 113, 66) }
```


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

```
.border{ border-color:rgb(100, 113, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 113, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 113, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 113, 66);  
box-shadow:4px 4px 4px 4px rgb(100, 113,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1440, 14.9129, 7.3927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 113, 66) }
```

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

```
.background{ background-color: rgb(100,  
113, 66) }
```

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