

Converting Colors

XYZ(12.8957, 17.5421, 7.4130)

Have a look what the booklet for
XYZ(12.8957, 17.5421, 7.4130)
contains.

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Color

**XYZ(12.9742, 17.6603,
7.4276)**

Conversions

Conversions Part 1

Format	Color
Hex	5E7E3F
RGB	94, 126, 63
RGB Percent	37%, 49%, 25%
CMY	0.6314, 0.5059, 0.7529
CMYK	0.25, 0.00, 0.50, 0.51
HSL	90°, 33%, 37%
HSV	90°, 50%, 49%
XYZ	12.9742, 17.6603, 7.4276
YIQ	109.2500, 1.1510, -26.3770

Conversions

Conversions Part 2

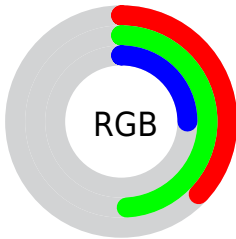
Format	Color
RYB	63, 126, 95
Decimal	6192703
CIELab	49.08, -23.08, 30.49
CIELCh	49, 38.240, 127.123
Yxy	17.6603, 0.3409, 0.4640
Android (android.graphics.Color)	4284382783 (0xFF5E7E3F)
YUV	109.2500, -22.8012, -13.3742
Hunter-Lab	42.0242, -18.4336, 18.9376

Details

The XYZ color **12.9742, 17.6603, 7.4276** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.2634, 7.4948, 20.6453**, and the grayscale version is **14.6699, 15.4338, 16.8074**.

A 20% lighter version of the original color is **30.8988, 39.5210, 21.3290**, and **3.8296, 5.9031, 1.4278** is the 20% darker color. If you saturate the color by 10%, you get **12.0324, 17.2115, 5.7512**, and if you desaturate by 10%, it is **14.0519, 18.1710, 9.5319**.

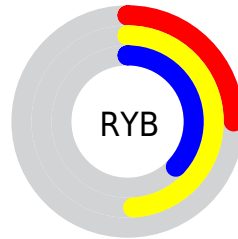
Distribution



Red (37%)

Green (49%)

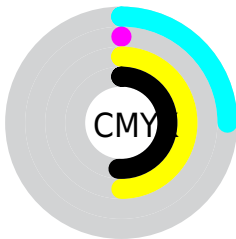
Blue (25%)



Red (25%)

Yellow (49%)

Blue (37%)

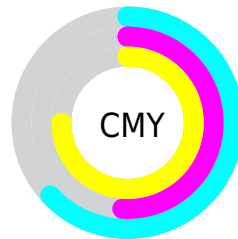


Cyan (25%)

Magenta (0%)

Yellow (50%)

Black (51%)



Cyan (63%)

Magenta (51%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9742, 17.6603, 7.4276 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 12.9742, 17.6603, 7.4276 by changing the saturation by 10% instead.

■ 12.9742, 17.6603,
7.4276

■ 12.9742, 17.6603,
7.4276

204.3932,
238.9493, 180.9344

■ 7.4877, 10.7064,
3.6485

■ 30.8591, 39.4576,
21.3557

■ 3.8179, 5.8698,
1.4345

■ 43.9882, 55.0698,
32.3418

■ 1.5997, 2.7660,
0.1684

■ 60.3956, 74.3369,
46.5673

■ 0.3922, 1.0108,
0.0000

■ 80.4465, 97.6432,
64.4507

■ 0.0000, 0.0000,
0.0000

■ 104.5064,
125.3733, 86.4106

■ 132.9405,

157.9114, 112.8655

166.1144,
195.6419, 144.2339

■ 12.9742, 17.6603,
7.4276

■ 12.9742, 17.6603,
7.4276

■ 12.0324, 17.2115,
5.7512

■ 14.0519, 18.1710,
9.5319

■ 11.2183, 16.8193,
4.4721

■ 15.2706, 18.7439,
12.0896

■ 10.5248, 16.4813,
3.5576

■ 16.6366, 19.3823,
15.1256

■ 9.9431, 16.1938,
2.9691

■ 18.1553, 20.0885,
18.6626

■ 9.4477, 15.9465,
2.5801

■ 19.8320, 20.8648,
22.7218

■ 9.4477, 15.9465,
2.5800

■ 21.6715, 21.7131,
27.3233

■ 23.6785, 22.6356,
32.4861

■ 25.8575, 23.6341,
38.2283

■ 28.2129, 24.7104,
44.5670

Harmonies

Analogous

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



15.9487, 17.6603, 5.5747



12.9742, 17.6603, 7.4276



11.2222, 17.6603, 12.5544

Triad

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



12.9742, 17.6603, 7.4276



14.2560, 17.6603, 43.6241



24.5598, 17.6603, 16.8928

Complementary

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



12.9742, 17.6603, 7.4276



10.2634, 7.4948, 20.6453

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.



23.9376, 17.6603, 27.9287



12.9742, 17.6603, 7.4276



17.6513, 17.6603, 46.0765

Square

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



12.9742, 17.6603, 7.4276



11.8857, 17.6603, 33.7016



21.2786, 17.6603, 39.5490



22.8752, 17.6603, 9.6372

Rectangle

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



12.9742, 17.6603, 7.4276



10.8209, 17.6603, 18.2592



21.2786, 17.6603, 39.5490



24.6170, 17.6603, 20.2327

Sweetspot

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



12.9746, 17.6611, 7.4280



30.4914, 34.6782, 29.4055



13.5494, 12.8898, 6.4767



6.8325, 7.8400, 6.4495



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.9746, 17.6611, 7.4280



20.9644, 30.1917, 9.7663



10.4085, 16.3382, 7.3079



4.4618, 4.9145, 4.6336



9.6871, 16.3563, 2.6465



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.2634, 7.4948, 20.6453



15.6081, 10.1105, 35.8733



14.1483, 9.4975, 20.8272



4.3008, 4.3107, 5.4186



6.0279, 2.6612, 20.4459



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.9742, 17.6603, 7.4276 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 12.9742, 17.6603, 7.4276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

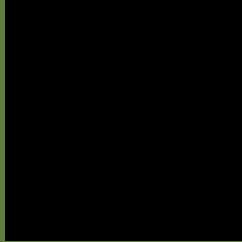
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.9742, 17.6603, 7.4276

Background



This preview shows how black text looks on a background with the XYZ color 12.9742, 17.6603, 7.4276.



This preview shows how white text looks on a background with the XYZ color 12.9742, 17.6603,

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

12.9742, 17.6603, 7.4276

Protanopia

15.9631, 17.4062, 6.7934

Deuteranopia

17.8529, 17.5249, 7.7519



Tritanopia

16.0866, 17.6357, 22.9783

Trichromacy



Original Color

12.9742, 17.6603, 7.4276

Protanomaly

14.7612, 17.4829, 7.0114

Deuteranomaly

15.6862, 17.2441, 7.6559

Tritanomaly

14.7138, 17.6279, 15.7237

Monochromacy



Original Color

12.9742, 17.6603, 7.4276

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.7714, 15.9772, 12.4833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9742, 17.6603, 7.4276 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(94, 126, 63)` looks like.

```
.text, #text, p{  
    color:rgb(94, 126, 63)  
}
```

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(94, 126, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 126, 63) }
```

Border

The CSS property to change the border of an element to XYZ 12.9742, 17.6603, 7.4276 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(94, 126, 63) }
```


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

```
.border{ border-color:rgb(94, 126, 63) }
```

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

Here you see how a box with a 4 pixel rgb(94, 126, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 126, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 126, 63);  
box-shadow:4px 4px 4px 4px rgb(94, 126,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9742, 17.6603, 7.4276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 126, 63) }
```

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

```
.background{ background-color: rgb(94, 126,  
63) }
```

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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