

Converting Colors

XYZ(12.8130, 16.7964, 8.3843)

Have a look what the booklet for
XYZ(12.8130, 16.7964, 8.3843)
contains.

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Color

**XYZ(12.7843, 16.7942,
8.3621)**

Conversions

Conversions Part 1

Format	Color
Hex	5F7A46
RGB	95, 122, 70
RGB Percent	37%, 48%, 27%
CMY	0.6275, 0.5216, 0.7255
CMYK	0.22, 0.00, 0.43, 0.52
HSL	91°, 27%, 38%
HSV	91°, 43%, 48%
XYZ	12.7843, 16.7942, 8.3621
YIQ	107.9990, 0.6000, -21.8960

Conversions

Conversions Part 2

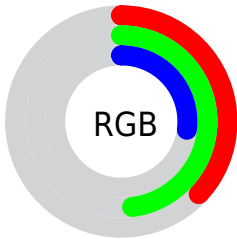
Format	Color
R_{YB}	70, 122, 97
Decimal	6257222
CIE Lab	48.00, -19.68, 25.33
CIE LCh	48, 32.077, 127.840
Yxy	16.7942, 0.3370, 0.4426
Android (android.graphics.Color)	4284447302 (0xFF5F7A46)
YUV	107.9990, -18.7335, -11.4001
Hunter-Lab	40.9807, -16.0316, 16.5884

Details

The XYZ color **12.7843, 16.7942, 8.3621** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.6336, 8.3273, 19.4603**, and the grayscale version is **14.3047, 15.0497, 16.3891**.

A 20% lighter version of the original color is **30.5138, 38.1028, 23.1991**, and **3.7303, 5.4396, 1.7730** is the 20% darker color. If you saturate the color by 10%, you get **11.8062, 16.3306, 6.5063**, and if you desaturate by 10%, it is **13.8950, 17.3182, 10.6333**.

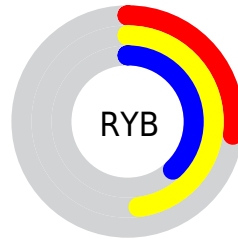
Distribution



Red (37%)

Green (48%)

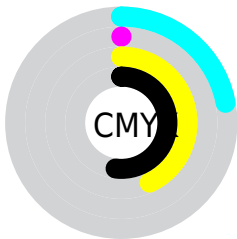
Blue (27%)



Red (27%)

Yellow (48%)

Blue (38%)

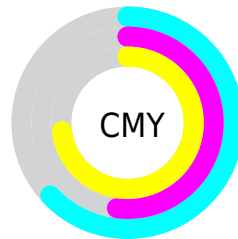


Cyan (22%)

Magenta (0%)

Yellow (43%)

Black (52%)



Cyan (63%)

Magenta (52%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7843, 16.7942, 8.3621 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 12.7843, 16.7942, 8.3621 by changing the saturation by 10% instead.

■ 12.7843, 16.7942,
8.3621

■ 12.7843, 16.7942,
8.3621

203.1963,
233.9836, 188.5846

■ 7.3562, 10.0879,
4.2364

■ 30.5203, 37.9716,
23.2231

■ 3.7341, 5.4573,
1.7559

■ 43.5590, 53.2114,
34.7955

■ 1.5528, 2.5180,
0.3986

■ 59.8651, 72.0646,
49.6872

■ 0.3614, 0.8856,
0.0000

■ 79.8041, 94.9154,
68.3168

■ 0.0000, 0.0000,
0.0000

■ 103.7414,
122.1484, 91.1028

132.0423,

154.1478, 118.4637

165.0721,
191.2981, 150.8181

■ 12.7843, 16.7942,
8.3621

■ 12.7843, 16.7942,
8.3621

■ 11.8062, 16.3306,
6.5063

■ 13.8950, 17.3182,
10.6333

■ 10.9536, 15.9226,
5.0397

■ 15.1427, 17.9027,
13.3419

■ 10.2200, 15.5681,
3.9347

■ 16.5330, 18.5508,
16.5097

■ 9.5983, 15.2641,
3.1596

■ 18.0710, 19.2645,
20.1566

■ 9.0798, 15.0070,
2.6765

■ 19.7611, 20.0458,
24.3014

■ 8.7428, 14.8390,
2.4034

■ 21.6080, 20.8967,
28.9619

■ 23.6158, 21.8189,
34.1550

■ 25.7887, 22.8142,
39.8969

■ 28.1305, 23.8843,
46.2029

Harmonies

Analogous

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



15.2148, 16.7942, 6.6007



12.7843, 16.7942, 8.3621



11.3408, 16.7942, 12.9064

Triad

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



12.7843, 16.7942, 8.3621



13.9529, 16.7942, 37.3885



22.1385, 16.7942, 16.1957

Complementary

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



12.7843, 16.7942, 8.3621



10.6336, 8.3273, 19.4603

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.



21.6947, 16.7942, 24.9848



12.7843, 16.7942, 8.3621



16.7341, 16.7942, 39.0705

Square

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



12.7843, 16.7942, 8.3621



11.9564, 16.7942, 29.9175



19.6278, 16.7942, 33.9924



20.7760, 16.7942, 10.1439

Rectangle

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



12.7843, 16.7942, 8.3621



11.0195, 16.7942, 17.6917



19.6278, 16.7942, 33.9924



22.1983, 16.7942, 18.8936

Sweetspot

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



12.7847, 16.7949, 8.3625



28.9080, 32.5523, 28.6328



13.3946, 13.1052, 7.6181



6.5034, 7.3936, 6.3010



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.7847, 16.7949, 8.3625



20.8332, 28.7591, 11.5614



10.6189, 15.6752, 8.4050



4.1172, 4.5357, 4.2830



9.1947, 15.6173, 2.5298



42.8872, 73.9946, 12.0220

Inverse Universe

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



10.6336, 8.3273, 19.4603



16.5214, 11.7917, 33.7981



13.6763, 9.9021, 19.3236



3.9777, 3.9864, 5.0030



5.8708, 2.5993, 19.5776



27.0165, 11.8895, 93.3408

Previews

White Background



This preview shows how the XYZ color 12.7843, 16.7942, 8.3621 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 12.7843, 16.7942, 8.3621 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 12.7843, 16.7942, 8.3621

Background



This preview shows how black text looks on a background with the XYZ color 12.7843, 16.7942, 8.3621.



This preview shows how white text looks on a background with the XYZ color 12.7843, 16.7942,

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

12.7843, 16.7942, 8.3621

Protanopia

15.3426, 16.7250, 7.7298

Deuteranopia

16.9878, 16.7367, 8.6385



Tritanopia

15.5406, 16.8550, 21.8363

Trichromacy



Original Color

12.7843, 16.7942, 8.3621

Protanomaly

14.2147, 16.6506, 7.9335

Deuteranomaly

15.2131, 16.6401, 8.5409

Tritanomaly

14.2838, 16.6861, 15.8325

Monochromacy



Original Color

12.7843, 16.7942, 8.3621

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.5190, 15.5020, 12.8693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7843, 16.7942, 8.3621 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(95, 122, 70)` looks like.

```
.text, #text, p{  
    color:rgb(95, 122, 70)  
}
```

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(95, 122, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 122, 70) }
```

Border

The CSS property to change the border of an element to XYZ 12.7843, 16.7942, 8.3621 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(95, 122, 70) }
```


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

```
.border{ border-color:rgb(95, 122, 70) }
```

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

Here you see how a box with a 4 pixel rgb(95, 122, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 122, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 122, 70);  
box-shadow:4px 4px 4px 4px rgb(95, 122,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7843, 16.7942, 8.3621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 122, 70) }
```

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

```
.background{ background-color: rgb(95, 122,  
70) }
```

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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