

Converting Colors

XYZ(25.7999, 38.1112, 12.6599)

Have a look what the booklet for
XYZ(25.7999, 38.1112, 12.6599)
contains.

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Color

**XYZ(25.7437, 37.9570,
12.6262)**

Conversions

Conversions Part 1

Format	Color
Hex	78B64B
RGB	120, 182, 75
RGB Percent	47%, 71%, 29%
CMY	0.5294, 0.2863, 0.7059
CMYK	0.34, 0.00, 0.59, 0.29
HSL	95°, 42%, 50%
HSV	95°, 59%, 71%
XYZ	25.7437, 37.9570, 12.6262
YIQ	151.2640, -2.6050, -46.4210

Conversions

Conversions Part 2

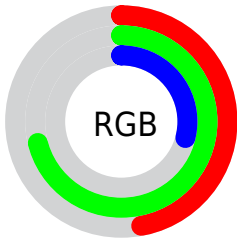
Format	Color
RYB	75, 182, 137
Decimal	7910987
CIELab	67.99, -38.52, 47.28
CIELCh	68, 60.982, 129.168
Yxy	37.9570, 0.3373, 0.4973
Android (android.graphics.Color)	4286101067 (0xFF78B64B)
YUV	151.2640, -37.5982, -27.4185
Hunter-Lab	61.6093, -33.2292, 30.9756

Details

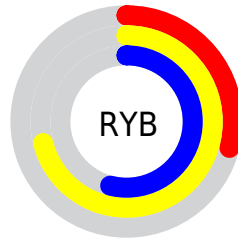
The XYZ color **25.7437, 37.9570, 12.6262** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **21.2779, 13.7291, 45.7866**, and the grayscale version is **29.6864, 31.2324, 34.0121**.

A 20% lighter version of the original color is **52.0845, 71.7953, 31.1914**, and **10.2324, 16.9129, 3.4347** is the 20% darker color. If you saturate the color by 10%, you get **23.8250, 37.0310, 9.7371**, and if you desaturate by 10%, it is **28.0036, 39.0406, 16.4629**.

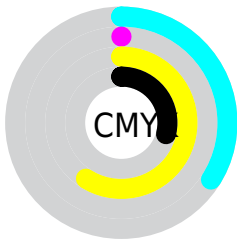
Distribution



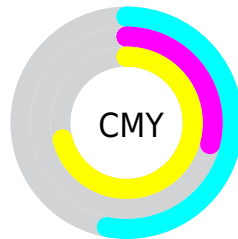
- Red (47%)
- Green (71%)
- Blue (29%)



- Red (29%)
- Yellow (71%)
- Blue (54%)



- Cyan (34%)
- Magenta (0%)
- Yellow (59%)
- Black (29%)



- Cyan (53%)
- Magenta (29%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7437, 37.9570, 12.6262 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 25.7437, 37.9570, 12.6262 by changing the saturation by 10% instead.

■ 25.7437, 37.9570,
12.6262

■ 25.7437, 37.9570,
12.6262

273.8015,
337.4355, 219.6310

■ 16.7637, 25.9493,
7.0440

■ 52.2954, 72.0422,
31.3119

■ 10.1604, 16.7857,
3.4107

■ 70.5979, 94.8886,
45.2524

■ 5.5685, 10.0818,
1.3080

■ 92.7384, 122.1166,
62.8161

■ 2.6227, 5.4533,
0.0683

■ 119.0826,
154.1106, 84.4214

■ 0.9575, 2.5156,
0.0000

■ 149.9956,
191.2552, 110.4871

■ 0.0000, 0.8844,
0.0000

185.8428,

■ 0.0000, 0.0000,

233.9346, 141.4315

0.0000

226.9897,
282.5332, 177.6733

■ 25.7437, 37.9570,
12.6262

■ 25.7437, 37.9570,
12.6262

■ 23.8250, 37.0310,
9.7371

■ 28.0036, 39.0406,
16.4629

■ 22.2238, 36.2488,
7.7105

■ 30.6207, 40.2850,
21.3177

■ 20.9173, 35.6018,
6.4501

■ 33.6131, 41.6993,
27.2573

■ 19.8675, 35.0742,
5.7861

■ 36.9968, 43.2904,
34.3419

■ 19.7522, 35.0162,
5.7177

■ 40.7868, 45.0647,
42.6275

■ 44.9971, 47.0284,
52.1662

■ 49.6411, 49.1874,
63.0071

■ 54.7317, 51.5471,
75.1968

■ 60.2809, 54.1130,
88.7794

Harmonies

Analogous

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



33.2494, 37.9570, 8.2425



25.7437, 37.9570, 12.6262



21.5793, 37.9570, 25.4022

Triad

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



25.7437, 37.9570, 12.6262



29.9740, 37.9570, 111.8564



57.2346, 37.9570, 33.5552

Complementary

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



25.7437, 37.9570, 12.6262



21.2779, 13.7291, 45.7866

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.



55.9401, 37.9570, 62.8170



25.7437, 37.9570, 12.6262



39.0605, 37.9570, 117.2752

Square

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



25.7437, 37.9570, 12.6262



23.7078, 37.9570, 83.8558



48.8605, 37.9570, 96.4650



52.1381, 37.9570, 16.3446

Rectangle

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



25.7437, 37.9570, 12.6262



20.7455, 37.9570, 40.5752



48.8605, 37.9570, 96.4650



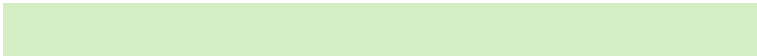
57.5493, 37.9570, 42.0915

Sweetspot

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



25.7446, 37.9586, 12.6270



67.3883, 78.6298, 62.9373



29.3156, 27.9598, 10.5088



14.4711, 17.1731, 13.0205



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



25.7446, 37.9586, 12.6270



42.1395, 66.6212, 16.2316



21.1588, 35.5648, 13.7594



9.2387, 10.2397, 9.5964



14.0205, 24.7642, 4.0410



0.5652, 0.9096, 0.1458

Inverse Universe

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



21.2779, 13.7291, 45.7866



33.2200, 18.4957, 82.0549



29.5338, 18.0682, 42.4217



9.0061, 8.9695, 11.3360



10.1925, 4.5656, 31.5971



0.4283, 0.1965, 1.1171

Previews

White Background



This preview shows how the XYZ color 25.7437, 37.9570, 12.6262 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 25.7437, 37.9570, 12.6262 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 ✓ Pass

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

XYZ 25.7437, 37.9570, 12.6262

Background



This preview shows how black text looks on a background with the XYZ color 25.7437, 37.9570, 12.6262.



This preview shows how white text looks on a background with the XYZ color 25.7437, 37.9570,

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

25.7437, 37.9570, 12.6262

Protanopia

34.0891, 37.4197, 11.2204

Deuteranopia

38.2086, 37.4196, 13.1915



Tritanopia

33.5312, 37.9049, 50.8965

Trichromacy



Original Color

25.7437, 37.9570, 12.6262

Protanomaly

30.2298, 37.0673, 11.6923

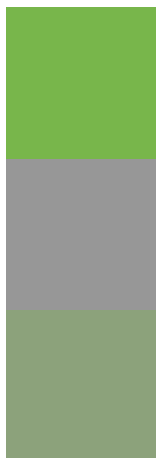
Deuteranomaly

32.2811, 36.7212, 12.7836

Tritanomaly

29.7241, 37.4989, 32.0569

Monochromacy



Original Color

25.7437, 37.9570, 12.6262

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

27.3107, 32.8462, 23.6394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7437, 37.9570, 12.6262 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(120, 182, 75)` looks like.

```
.text, #text, p{  
    color:rgb(120, 182, 75)  
}
```

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(120, 182, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 182, 75) }
```

Border

The CSS property to change the border of an element to XYZ 25.7437, 37.9570, 12.6262 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(120, 182, 75) }
```


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

```
.border{ border-color:rgb(120, 182, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 182, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 182, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 182, 75);  
box-shadow:4px 4px 4px 4px rgb(120, 182,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7437, 37.9570, 12.6262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 182, 75) }
```

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

```
.background{ background-color: rgb(120,  
182, 75) }
```

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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