

Converting Colors

XYZ(25.5098, 37.1819, 14.8490)

Have a look what the booklet for
XYZ(25.5098, 37.1819, 14.8490)
contains.

XYZ(25.5128, 37.1822, 14.8490)	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(25.5128, 37.1822,
14.8490)**

Conversions

Conversions Part 1

Format	Color
Hex	76B457
RGB	118, 180, 87
RGB Percent	46%, 71%, 34%
CMY	0.5373, 0.2941, 0.6588
CMYK	0.34, 0.00, 0.52, 0.29
HSL	100°, 38%, 52%
HSV	100°, 52%, 71%
XYZ	25.5128, 37.1822, 14.8490
YIQ	150.8600, -7.0990, -42.0670

Conversions

Conversions Part 2

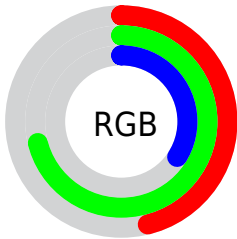
Format	Color
RYB	87, 180, 149
Decimal	7779415
CIELab	67.41, -37.01, 40.87
CIELCh	67, 55.135, 132.159
Yxy	37.1822, 0.3290, 0.4795
Android (android.graphics.Color)	4285969495 (0xFF76B457)
YUV	150.8600, -31.4830, -28.8182
Hunter-Lab	60.9772, -32.0259, 28.2459

Details

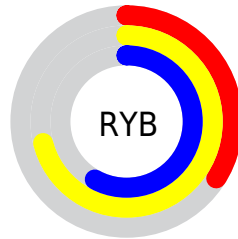
The XYZ color **25.5128, 37.1822, 14.8490** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **24.0425, 16.5023, 45.1001**, and the grayscale version is **29.4889, 31.0247, 33.7859**.

A 20% lighter version of the original color is **51.8892, 70.7392, 35.3453**, and **10.1033, 16.4361, 4.3903** is the 20% darker color. If you saturate the color by 10%, you get **23.3401, 36.1379, 11.3757**, and if you desaturate by 10%, it is **28.0781, 38.4100, 19.2993**.

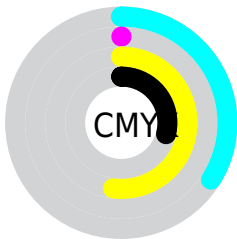
Distribution



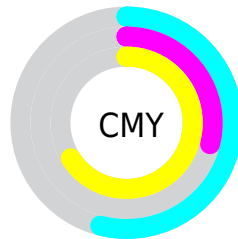
- Red (46%)
- Green (71%)
- Blue (34%)



- Red (34%)
- Yellow (71%)
- Blue (58%)



- Cyan (34%)
- Magenta (0%)
- Yellow (52%)
- Black (29%)



- Cyan (54%)
- Magenta (29%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5128, 37.1822, 14.8490 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 25.5128, 37.1822, 14.8490 by changing the saturation by 10% instead.

■ 25.5128, 37.1822,
14.8490

■ 25.5128, 37.1822,
14.8490

272.6830,
334.0987, 234.0596

■ 16.5903, 25.3486,
8.5680

■ 51.9248, 70.8529,
35.3266

■ 10.0363, 16.3370,
4.3676

■ 70.1451, 93.4588,
50.3603

■ 5.4855, 9.7629,
1.8291

■ 92.1953, 120.4243,
69.1487

■ 2.5725, 5.2420,
0.4470

■ 118.4408,
152.1337, 92.1103

■ 0.9320, 2.3900,
0.0000

■ 149.2469,
188.9714, 119.6637

■ 0.0000, 0.8207,
0.0000

184.9791,

■ 0.0000, 0.0000,

231.3219, 152.2273

0.0000

226.0027,
279.5695, 190.2198

■ 25.5128, 37.1822,
14.8490

■ 25.5128, 37.1822,
14.8490

■ 23.3401, 36.1379,
11.3757

■ 28.0781, 38.4100,
19.2993

■ 21.5356, 35.2627,
8.8035

■ 31.0530, 39.8251,
24.7903

■ 20.0761, 34.5476,
7.0492

■ 34.4569, 41.4375,
31.3828

■ 18.9339, 33.9806,
6.0130

■ 38.3070, 43.2547,
39.1327

■ 18.1853, 33.6046,
5.5279

■ 42.6193, 45.2840,
48.0916

■ 47.4093, 47.5322,
58.3084

■ 52.6915, 50.0057,
69.8291

■ 58.4800, 52.7110,
82.6973

■ 64.7880, 55.6538,
96.9549

Harmonies

Analogous

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



32.0255, 37.1822, 9.8950



25.5128, 37.1822, 14.8490



22.0134, 37.1822, 27.8296

Triad

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



25.5128, 37.1822, 14.8490



30.5899, 37.1822, 102.9509



53.7356, 37.1822, 31.4483

Complementary

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



25.5128, 37.1822, 14.8490



24.0425, 16.5023, 45.1001

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.



53.1860, 37.1822, 56.4916



25.5128, 37.1822, 14.8490



38.8768, 37.1822, 105.1925

Square

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



25.5128, 37.1822, 14.8490



24.6067, 37.1822, 80.4688



47.4147, 37.1822, 85.7389



48.8144, 37.1822, 16.5847

Rectangle

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



25.5128, 37.1822, 14.8490



21.4564, 37.1822, 42.2649



47.4147, 37.1822, 85.7389



54.2040, 37.1822, 38.7560

Sweetspot

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



25.5137, 37.1838, 14.8498



66.8543, 77.1999, 65.6602



31.2916, 31.8879, 13.5231



14.1354, 16.5374, 13.5583



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



25.5137, 37.1838, 14.8498



41.8232, 65.2832, 19.8804



22.6760, 35.6397, 18.3855



8.6470, 9.6231, 9.0542



12.7563, 23.4862, 3.8610



0.4648, 0.7717, 0.1245

Inverse Universe

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



24.0425, 16.5023, 45.1001



38.8012, 23.5986, 80.8045



28.9781, 19.2191, 37.5432



8.5694, 8.5020, 10.6957



11.2297, 5.1249, 30.5343



0.4121, 0.1915, 0.9635

Previews

White Background



This preview shows how the XYZ color 25.5128, 37.1822, 14.8490 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 25.5128, 37.1822, 14.8490 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 25.5128, 37.1822, 14.8490

Background



This preview shows how black text looks on a background with the XYZ color 25.5128, 37.1822, 14.8490.



This preview shows how white text looks on a background with the XYZ color 25.5128, 37.1822,

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

25.5128, 37.1822, 14.8490

Protanopia

33.8545, 36.9839, 13.3369

Deuteranopia

37.4174, 36.7094, 15.4694



Tritanopia

32.7535, 37.2367, 50.2609

Trichromacy



Original Color

25.5128, 37.1822, 14.8490

Protanomaly

30.0755, 36.6586, 13.8782

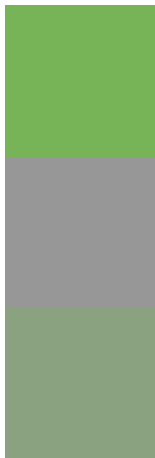
Deuteranomaly

31.9210, 36.2116, 15.2047

Tritanomaly

29.3834, 36.9994, 33.6099

Monochromacy



Original Color

25.5128, 37.1822, 14.8490

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

27.4641, 32.8881, 25.3226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5128, 37.1822, 14.8490 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(118, 180, 87)` looks like.

```
.text, #text, p{  
    color:rgb(118, 180, 87)  
}
```

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(118, 180, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 180, 87) }
```

Border

The CSS property to change the border of an element to XYZ 25.5128, 37.1822, 14.8490 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(118, 180, 87) }
```


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

```
.border{ border-color:rgb(118, 180, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 180, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 180, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 180, 87);  
box-shadow:4px 4px 4px 4px rgb(118, 180,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5128, 37.1822, 14.8490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 180, 87) }
```

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

```
.background{ background-color: rgb(118,  
180, 87) }
```

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