

Converting Colors

XYZ(14.8243, 25.4155, 12.3402)

Have a look what the booklet for
XYZ(14.8243, 25.4155, 12.3402)
contains.

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Color

**XYZ(14.7906, 25.3428,
12.2957)**

Conversions

Conversions Part 1

Format	Color
Hex	2F9D53
RGB	47, 157, 83
RGB Percent	18%, 62%, 33%
CMY	0.8157, 0.3843, 0.6745
CMYK	0.70, 0.00, 0.47, 0.38
HSL	140°, 54%, 40%
HSV	140°, 70%, 62%
XYZ	14.7906, 25.3428, 12.2957
YIQ	115.6740, -41.8060, -46.3340

Conversions

Conversions Part 2

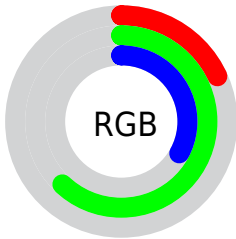
Format	Color
RYB	47, 130, 157
Decimal	3120467
CIELab	57.41, -47.48, 29.89
CIELCh	57, 56.103, 147.802
Yxy	25.3428, 0.2821, 0.4834
Android (android.graphics.Color)	4281310547 (0xFF2F9D53)
YUV	115.6740, -16.1083, -60.2271
Hunter-Lab	50.3416, -35.6537, 20.7578

Details

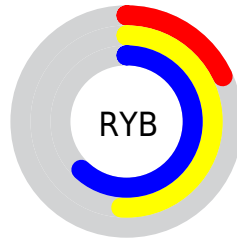
The XYZ color **14.7906, 25.3428, 12.2957** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.3731, 10.5821, 19.1643**, and the grayscale version is **16.5581, 17.4204, 18.9709**.

A 20% lighter version of the original color is **34.1607, 52.4355, 30.8749**, and **5.2688, 10.0280, 3.3270** is the 20% darker color. If you saturate the color by 10%, you get **13.8158, 24.8845, 10.2814**, and if you desaturate by 10%, it is **16.0892, 25.9622, 14.6506**.

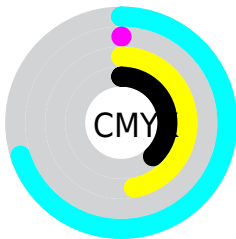
Distribution



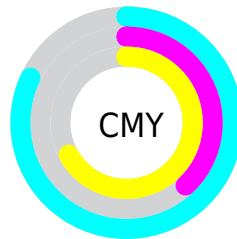
- Red (18%)
- Green (62%)
- Blue (33%)



- Red (18%)
- Yellow (51%)
- Blue (62%)



- Cyan (70%)
- Magenta (0%)
- Yellow (47%)
- Black (38%)



- Cyan (82%)
- Magenta (38%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7906, 25.3428, 12.2957 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 14.7906, 25.3428, 12.2957 by changing the saturation by 10% instead.

■ 14.7906, 25.3428,
12.2957

■ 14.7906, 25.3428,
12.2957

215.5089,
279.5408, 217.4001

■ 8.7579, 16.3326,
6.8204

■ 34.0601, 52.2128,
30.7049

■ 4.6395, 9.7598,
3.2733

■ 48.0276, 70.8414,
44.4760

■ 2.0699, 5.2400,
1.2358

■ 65.3708, 93.4450,
61.8494

■ 0.6728, 2.3888,
0.0083

■ 86.4550, 120.4079,
83.2436

■ 0.0000, 0.8201,
0.0000

■ 111.6455,
152.1146, 109.0773

■ 0.0000, 0.0000,
0.0000

■ 141.3078,

188.9493, 139.7689

175.8071,
231.2966, 175.7370

■ 14.7906, 25.3428,
12.2957

■ 14.7906, 25.3428,
12.2957

■ 13.8158, 24.8845,
10.2814

■ 16.0892, 25.9622,
14.6506

■ 13.1305, 24.5680,
8.5899

■ 17.7375, 26.7537,
17.3594

■ 12.6634, 24.3573,
7.2103

■ 19.7607, 27.7306,
20.4368

■ 22.1811, 28.9043,
23.8960

■ 25.0192, 30.2851,
27.7496

■ 28.2941, 31.8825,
32.0097

■ 32.0237, 33.7055,
36.6878

■ 36.2249, 35.7626,
41.7949

■ 40.9135, 38.0618,
47.3416

Harmonies

Analogous

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



18.5921, 25.3428, 6.1986



14.7906, 25.3428, 12.2957



13.4186, 25.3428, 26.2102

Triad

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



14.7906, 25.3428, 12.2957



23.5994, 25.3428, 82.9027



37.2921, 25.3428, 13.7735

Complementary

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



14.7906, 25.3428, 12.2957



18.3731, 10.5821, 19.1643

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.



39.2936, 25.3428, 29.0256



14.7906, 25.3428, 12.2957



30.5715, 25.3428, 74.4446

Square

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



14.7906, 25.3428, 12.2957



17.8849, 25.3428, 71.7500



36.6382, 25.3428, 52.1292



31.5803, 25.3428, 6.7334

Rectangle

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



14.7906, 25.3428, 12.2957



13.8317, 25.3428, 40.4016



36.6382, 25.3428, 52.1292



38.4624, 25.3428, 17.8270

Sweetspot

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



14.7912, 25.3438, 12.2963



44.0787, 53.8817, 48.7273



20.6206, 28.4701, 7.0980



9.4053, 11.7132, 10.3273



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



14.7912, 25.3438, 12.2963



24.0001, 44.2197, 16.6602



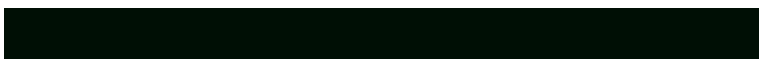
17.7334, 26.5207, 27.7896



6.6358, 7.4351, 7.5167



10.3002, 19.7880, 5.9379



0.2025, 0.3612, 0.2028

Inverse Universe

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



18.3731, 10.5821, 19.1643



30.7746, 16.0408, 29.4576



15.9400, 9.6088, 6.3513



6.8117, 6.7176, 7.8598



13.4075, 6.6675, 11.6626



0.2583, 0.1267, 0.3064

Previews

White Background



This preview shows how the XYZ color 14.7906, 25.3428, 12.2957 looks on a white 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

Black Background



This preview shows how the XYZ color 14.7906, 25.3428, 12.2957 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 14.7906, 25.3428, 12.2957

Background



This preview shows how black text looks on a background with the XYZ color 14.7906, 25.3428, 12.2957.



This preview shows how white text looks on a background with the XYZ color 14.7906, 25.3428,

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

14.7906, 25.3428, 12.2957

Protanopia

22.8278, 24.8972, 10.4400

Deuteranopia

25.4365, 24.9532, 12.9270



Tritanopia

19.6827, 25.1343, 37.0717

Trichromacy



Original Color

14.7906, 25.3428, 12.2957

Protanomaly

18.1946, 24.0217, 11.0748

Deuteranomaly

19.1244, 23.5819, 12.5606

Tritanomaly

17.3458, 24.8891, 25.7197

Monochromacy



Original Color

14.7906, 25.3428, 12.2957

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

14.9294, 19.4562, 16.0653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7906, 25.3428, 12.2957 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(47, 157, 83)` looks like.

```
.text, #text, p{  
    color:rgb(47, 157, 83)  
}
```

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(47, 157, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 157, 83) }
```

Border

The CSS property to change the border of an element to XYZ 14.7906, 25.3428, 12.2957 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(47, 157, 83) }
```


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

```
.border{ border-color:rgb(47, 157, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 157, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 157, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 157, 83);  
box-shadow:4px 4px 4px 4px rgb(47, 157,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7906, 25.3428, 12.2957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 157, 83) }
```

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

```
.background{ background-color: rgb(47, 157,  
83) }
```

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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