

Converting Colors

XYZ(12.9042, 21.5041, 9.8752)

Have a look what the booklet for
XYZ(12.9042, 21.5041, 9.8752)
contains.

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Color

**XYZ(12.9370, 21.5574,
9.9577)**

Conversions

Conversions Part 1

Format	Color
Hex	37914A
RGB	55, 145, 74
RGB Percent	22%, 57%, 29%
CMY	0.7843, 0.4314, 0.7098
CMYK	0.62, 0.00, 0.49, 0.43
HSL	133°, 45%, 39%
HSV	133°, 62%, 57%
XYZ	12.9370, 21.5574, 9.9577
YIQ	109.9960, -30.8490, -41.1610

Conversions

Conversions Part 2

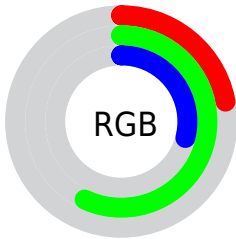
Format	Color
RYB	55, 129, 145
Decimal	3641674
CIELab	53.55, -42.60, 29.81
CIELCh	54, 51.999, 145.017
Yxy	21.5574, 0.2910, 0.4850
Android (android.graphics.Color)	4281831754 (0xFF37914A)
YUV	109.9960, -17.7460, -48.2315
Hunter-Lab	46.4299, -31.5161, 19.7852




Details

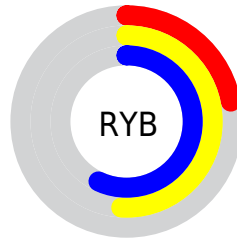
The XYZ color **12.9370, 21.5574, 9.9577** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.8098, 10.2590, 20.8337**, and the grayscale version is **14.8760, 15.6507, 17.0436**.




A 20% lighter version of the original color is **30.8479, 46.1433, 26.3495**, and **4.1122, 7.9078, 2.3465** is the 20% darker color. If you saturate the color by 10%, you get **11.9055, 21.0668, 8.0776**, and if you desaturate by 10%, it is **14.2731, 22.1981, 12.2189**.

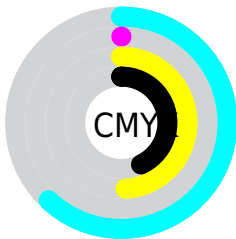
Distribution







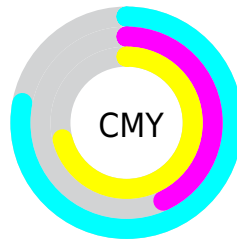
-  Red (22%)
-  Green (57%)
-  Blue (29%)






-  Red (22%)
-  Yellow (51%)
-  Blue (57%)



-  Cyan (62%)
-  Magenta (0%)
-  Yellow (49%)
-  Black (43%)



-  Cyan (78%)
-  Magenta (43%)
-  Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9370, 21.5574, 9.9577 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 12.9370, 21.5574, 9.9577 by changing the saturation by 10% instead.

■ 12.9370, 21.5574,
9.9577

■ 12.9370, 21.5574,
9.9577

204.1593,
260.2261, 200.8437

■ 7.4619, 13.5320,
5.2657

■ 30.7928, 46.0134,
26.3225

■ 3.8015, 7.7959,
2.3425

■ 43.9043, 63.2128,
38.8323

■ 1.5904, 3.9646,
0.7549

■ 60.2918, 84.2390,
54.7852

■ 0.3862, 1.6538,
0.0000

■ 80.3209, 109.4764,
74.5996

■ 0.0000, 0.3935,
0.0000

■ 104.3568,
139.3095, 98.6941

■ 0.0000, 0.0000,
0.0000

132.7650,

174.1225, 127.4873

165.9107,
214.2999, 161.3977

■ 12.9370, 21.5574,
9.9577

■ 12.9370, 21.5574,
9.9577

■ 11.9055, 21.0668,
8.0776

■ 14.2731, 22.1981,
12.2189

■ 11.1521, 20.7113,
6.5562

■ 15.9342, 22.9973,
14.8791

■ 10.6482, 20.4773,
5.3708

■ 17.9410, 23.9658,
17.9569

■ 10.3680, 20.3485,
4.6508

■ 20.3117, 25.1127,
21.4692

■ 23.0635, 26.4464,
25.4321

■ 26.2121, 27.9748,
29.8607

■ 29.7728, 29.7055,
34.7695

■ 33.7597, 31.6453,
40.1723

■ 38.1865, 33.8012,
46.0826

Harmonies

Analogous

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



16.3037, 21.5574, 5.2513



12.9370, 21.5574, 9.9577



11.5980, 21.5574, 20.9187

Triad

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



12.9370, 21.5574, 9.9577



19.5774, 21.5574, 68.9227



31.7490, 21.5574, 12.7831

Complementary

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



12.9370, 21.5574, 9.9577



16.8098, 10.2590, 20.8337

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.



33.0518, 21.5574, 26.2258



12.9370, 21.5574, 9.9577



25.3370, 21.5574, 63.4377

Square

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



12.9370, 21.5574, 9.9577



14.9647, 21.5574, 58.4295



30.5250, 21.5574, 45.6913



27.2303, 21.5574, 6.2906

Rectangle

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



12.9370, 21.5574, 9.9577



11.8210, 21.5574, 32.3059



30.5250, 21.5574, 45.6913



32.6085, 21.5574, 16.4165

Sweetspot

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



12.9375, 21.5583, 9.9582



37.6228, 45.5763, 40.2630



19.5682, 25.0396, 7.4165



8.1028, 10.0097, 8.5690



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.9375, 21.5583, 9.9582



20.7974, 37.4786, 13.4478



14.9716, 22.3719, 20.6694



5.3866, 6.0469, 6.0016



8.9009, 17.4562, 4.0325



0.0919, 0.1696, 0.0743

Inverse Universe

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



16.8098, 10.2590, 20.8337



28.2900, 15.4932, 34.4010



14.5669, 9.3618, 9.0223



5.5782, 5.4918, 6.5426



12.6496, 6.2169, 14.3382



0.1288, 0.0626, 0.1786

Previews

White Background



This preview shows how the XYZ color 12.9370, 21.5574, 9.9577 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 12.9370, 21.5574, 9.9577 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 12.9370, 21.5574, 9.9577

Background



This preview shows how black text looks on a background with the XYZ color 12.9370, 21.5574, 9.9577.



This preview shows how white text looks on a background with the XYZ color 12.9370, 21.5574,

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

12.9370, 21.5574, 9.9577

Protanopia

19.4480, 21.1715, 8.5303

Deuteranopia

21.4222, 21.0262, 10.5188



Tritanopia

17.2714, 21.5659, 31.2693

Trichromacy



Original Color

12.9370, 21.5574, 9.9577

Protanomaly

15.9373, 20.7436, 8.9583

Deuteranomaly

16.6939, 20.2972, 10.2456

Tritanomaly

15.2132, 21.3656, 21.4113

Monochromacy



Original Color

12.9370, 21.5574, 9.9577

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.4571, 17.2026, 13.9204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9370, 21.5574, 9.9577 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(55, 145, 74)` looks like.

```
.text, #text, p{  
    color:rgb(55, 145, 74)  
}
```

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(55, 145, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 145, 74) }
```

Border

The CSS property to change the border of an element to XYZ 12.9370, 21.5574, 9.9577 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(55, 145, 74) }
```


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

```
.border{ border-color:rgb(55, 145, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 145, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 145, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 145, 74);  
box-shadow:4px 4px 4px 4px rgb(55, 145,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9370, 21.5574, 9.9577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 145, 74) }
```

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

```
.background{ background-color: rgb(55, 145,  
74) }
```

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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