

Converting Colors

XYZ(10.6614, 22.8552, 7.4553)

Have a look what the booklet for
XYZ(10.6614, 22.8552, 7.4553)
contains.

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Color

**XYZ(12.4109, 23.7185,
7.5384)**

Conversions

Conversions Part 1

Format	Color
Hex	009B37
RGB	0, 155, 55
RGB Percent	0%, 61%, 22%
CMY	1.0000, 0.3921, 0.7843
CMYK	1.00, 0.00, 0.65, 0.39
HSL	141°, 100%, 30%
HSV	141°, 100%, 61%
XYZ	12.4109, 23.7185, 7.5384
YIQ	97.2550, -60.2800, -63.9600

Conversions

Conversions Part 2

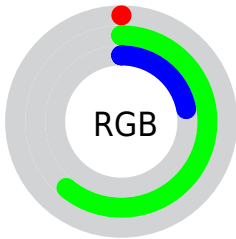
Format	Color
RYB	0, 114, 155
Decimal	39735
CIELab	55.80, -55.84, 41.68
CIELCh	56, 69.679, 143.263
Yxy	23.7185, 0.2842, 0.5432
Android (android.graphics.Color)	4278229815 (0xFF009B37)
YUV	97.2550, -20.8317, -85.2926
Hunter-Lab	48.7016, -39.7398, 24.9138

Details

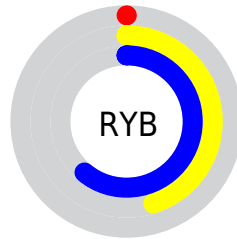
The XYZ color **12.4109, 23.7185, 7.5384** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **15.8184, 7.8890, 12.7459**, and the grayscale version is **11.4859, 12.0840, 13.1595**.

A 20% lighter version of the original color is **29.9203, 49.7038, 21.6525**, and **4.7514, 9.5027, 1.5838** is the 20% darker color. If you saturate the color by 10%, you get **12.4114, 23.7195, 7.5388**, and if you desaturate by 10%, it is **12.8813, 23.9311, 8.9417**.

Distribution



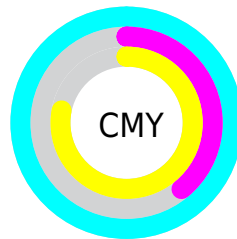
- Red (0%)
- Green (61%)
- Blue (22%)



- Red (0%)
- Yellow (45%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (65%)
- Black (39%)





- Cyan (100%)
- Magenta (39%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.4109, 23.7185, 7.5384 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 12.4109, 23.7185, 7.5384 by changing the saturation by 10% instead.


 12.4109, 23.7185,
7.5384


 12.4109, 23.7185,
7.5384


200.8217,
271.3942, 181.8625


 7.0984, 15.1249,
3.7175


 29.8517, 49.5704,
21.5795


 3.5706, 8.9071,
1.4717


 42.7107, 67.5976,
32.6367


 1.4622, 4.6806,
0.1967

 58.8158, 89.5381,
46.9432

 0.2999, 2.0611,
0.0000

 78.5325, 115.7763,
64.9174

 0.0000, 0.6426,
0.0000

 102.2261,
146.6966, 86.9779

 0.0000, 0.0000,
0.0000

 130.2619,

182.6835, 113.5432

163.0053,
224.1212, 145.0319

■ 12.4109, 23.7185,
7.5384

■ 12.4109, 23.7185,
7.5384

■ 12.4114, 23.7195,
7.5388

■ 12.8813, 23.9311,
8.9417

■ 13.5570, 24.2430,
10.6220

■ 14.5111, 24.6921,
12.5962

■ 15.7743, 25.2941,
14.8781

■ 17.3730, 26.0624,
17.4803

■ 19.3310, 27.0088,
20.4150

■ 21.6694, 28.1441,
23.6934

■ 24.4079, 29.4783,
27.3264

■ 27.5647, 31.0205,
31.3242

Harmonies

Analogous

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



17.0490, 23.7185, 2.9087



12.4109, 23.7185, 7.5384



10.5517, 23.7185, 21.0404

Triad

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



12.4109, 23.7185, 7.5384



20.8044, 23.7185, 97.8443



39.6242, 23.7185, 12.1478

Complementary

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



12.4109, 23.7185, 7.5384



15.8184, 7.8890, 12.7459

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.



41.2970, 23.7185, 31.2858



12.4109, 23.7185, 7.5384



29.1078, 23.7185, 90.1701

Square

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



12.4109, 23.7185, 7.5384



14.6079, 23.7185, 78.9022



37.0794, 23.7185, 61.6735



32.9323, 23.7185, 4.2723

Rectangle

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



12.4109, 23.7185, 7.5384



10.7342, 23.7185, 37.1771



37.0794, 23.7185, 61.6735



40.8480, 23.7185, 17.0574

Sweetspot

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



12.4115, 23.7195, 7.5389



38.5413, 50.2725, 42.0694



17.0609, 26.1960, 4.1572



8.3362, 11.1907, 8.9868



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.



12.4115, 23.7195, 7.5389



22.1446, 42.4446, 13.0684



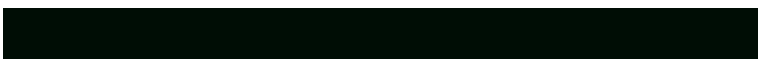
15.8698, 25.1028, 25.7500



6.2182, 6.9600, 7.0724



9.9854, 19.0576, 6.1435



0.1655, 0.2914, 0.1774

Inverse Universe

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



15.8184, 7.8890, 12.7459



28.2356, 14.0908, 22.3389



13.6753, 7.0317, 1.4604



6.3681, 6.2864, 7.3185



12.7235, 6.3436, 10.3348



0.2074, 0.1017, 0.2449

Previews

White Background



This preview shows how the XYZ color 12.4109, 23.7185, 7.5384 looks on a white background.

Color Contrast Check

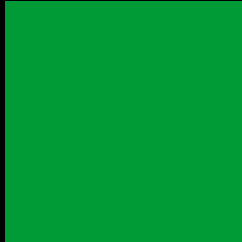
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4109, 23.7185, 7.5384 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 12.4109, 23.7185, 7.5384

Background



This preview shows how black text looks on a background with the XYZ color 12.4109, 23.7185, 7.5384.



This preview shows how white text looks on a background with the XYZ color 12.4109, 23.7185,

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

12.4109, 23.7185, 7.5384

Protanopia

21.1546, 23.2927, 6.2867

Deuteranopia

23.8246, 23.4414, 8.1194



Tritanopia

18.1978, 23.7093, 35.5155

Trichromacy



Original Color

12.4109, 23.7185, 7.5384



Protanomaly

14.7385, 21.6685, 6.5376



Deuteranomaly

15.4969, 21.1713, 7.6846



Tritanomaly

14.9743, 23.2823, 21.4740

Monochromacy



Original Color

12.4109, 23.7185, 7.5384



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

9.9880, 14.5902, 10.2724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4109, 23.7185, 7.5384 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(0, 155, 55)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 55)  
}
```

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(0, 155, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 55) }
```

Border

The CSS property to change the border of an element to XYZ 12.4109, 23.7185, 7.5384 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(0, 155, 55) }
```


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

```
.border{ border-color:rgb(0, 155, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 155, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 55);  
box-shadow:4px 4px 4px 4px rgb(0, 155, 55)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4109, 23.7185, 7.5384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 55) }
```

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

```
.background{ background-color: rgb(0, 155,  
55) }
```

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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