

Converting Colors

XYZ(9.0450, 22.0171, 3.9572)

Have a look what the booklet for
XYZ(9.0450, 22.0171, 3.9572)
contains.

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Color

**XYZ(11.7542, 23.4558,
4.0802)**

Conversions

Conversions Part 1

Format	Color
Hex	009B06
RGB	0, 155, 6
RGB Percent	0%, 61%, 2%
CMY	1.0000, 0.3921, 0.9764
CMYK	1.00, 0.00, 0.96, 0.39
HSL	122°, 100%, 30%
HSV	122°, 100%, 61%
XYZ	11.7542, 23.4558, 4.0802
YIQ	91.6690, -44.5510, -79.1990

Conversions

Conversions Part 2

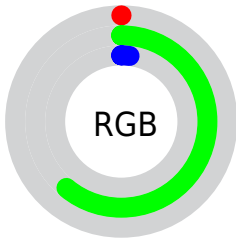
Format	Color
RYB	0, 149, 155
Decimal	39686
CIELab	55.54, -59.25, 56.42
CIELCh	56, 81.811, 136.403
Yxy	23.4558, 0.2992, 0.5970
Android (android.graphics.Color)	4278229766 (0xFF009B06)
YUV	91.6690, -42.2348, -80.3937
Hunter-Lab	48.4312, -41.4328, 28.9068

Details

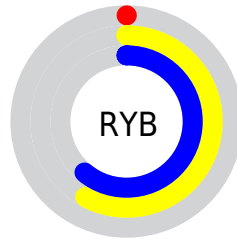
The XYZ color **11.7542, 23.4558, 4.0802** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **18.9422, 9.1385, 29.1954**, and the grayscale version is **10.1986, 10.7297, 11.6847**.

A 20% lighter version of the original color is **28.7133, 49.2432, 14.2949**, and **4.7514, 9.5027, 1.5838** is the 20% darker color. If you saturate the color by 10%, you get **11.7547, 23.4568, 4.0807**, and if you desaturate by 10%, it is **12.0616, 23.6032, 4.6253**.

Distribution



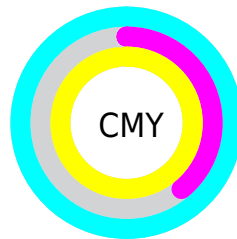
- Red (0%)
- Green (61%)
- Blue (2%)



- Red (0%)
- Yellow (58%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (96%)
- Black (39%)



- Cyan (100%)
- Magenta (39%)
- Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7542, 23.4558, 4.0802 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 11.7542, 23.4558, 4.0802 by changing the saturation by 10% instead.

■ 11.7542, 23.4558,
4.0802

■ 11.7542, 23.4558,
4.0802

196.5745,
270.0575, 149.1127

■ 6.6475, 14.9304,
1.6694

■ 28.6674, 49.1407,
14.1943

■ 3.2870, 8.7706,
0.3397

■ 41.2046, 67.0690,
22.7347

■ 1.3073, 4.5918,
0.0000

■ 56.9494, 88.9003,
34.1555

■ 0.1887, 2.0098,
0.0000

■ 76.2672, 115.0192,
48.8751


■ 0.0000, 0.6132,
0.0000


■ 99.5232, 145.8100,
67.3120


■ 0.0000, 0.0000,
0.0000

■ 127.0829,


181.6570, 89.8849


 159.3115,
222.9447, 117.0123


 11.7542, 23.4558,
4.0802


 11.7542, 23.4558,
4.0802


 11.7547, 23.4568,
4.0807

 12.0616, 23.6032,
4.6253

 12.6025, 23.8611,
5.5954

 13.4624, 24.2726,
7.0741

 14.6804, 24.8565,
9.1181

 16.2898, 25.6291,
11.7765

■ 18.3203, 26.6045,
15.0933

■ 20.7986, 27.7958,
19.1083

■ 23.7492, 29.2148,
23.8581

■ 27.1948, 30.8725,
29.3769

Harmonies

Analogous

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



17.6491, 23.4558, 1.2288



11.7542, 23.4558, 4.0802



9.1120, 23.4558, 15.3584

Triad

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



11.7542, 23.4558, 4.0802



18.3772, 23.4558, 113.6228



44.0165, 23.4558, 13.7085

Complementary

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



11.7542, 23.4558, 4.0802



18.9422, 9.1385, 29.1954

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.



44.3715, 23.4558, 39.4462



11.7542, 23.4558, 4.0802



27.6898, 23.4558, 111.8893

Square

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



11.7542, 23.4558, 4.0802



12.1598, 23.4558, 82.8531



37.7723, 23.4558, 79.0560



36.9057, 23.4558, 3.5837

Rectangle

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



11.7542, 23.4558, 4.0802



8.9008, 23.4558, 31.6365



37.7723, 23.4558, 79.0560



44.9860, 23.4558, 20.2807

Sweetspot

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



11.7547, 23.4568, 4.0807



36.9639, 49.6415, 33.7630



24.2693, 29.9121, 4.4945



7.9542, 11.0378, 6.9751



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.



11.7547, 23.4568, 4.0807



21.0345, 42.0005, 7.2227



13.2704, 24.0630, 12.0619



6.1414, 6.9293, 6.6679



9.4445, 18.8412, 3.2952



0.1435, 0.2826, 0.0612

Inverse Universe

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



18.9422, 9.1385, 29.1954



33.9054, 16.3587, 52.1957



14.6988, 7.4411, 6.8499



6.4509, 6.3195, 7.7544



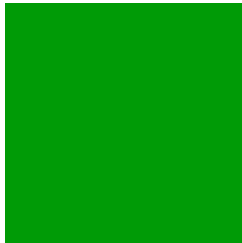
15.2172, 7.3411, 23.4666



0.2303, 0.1109, 0.3653

Previews

White Background



This preview shows how the XYZ color 11.7542, 23.4558, 4.0802 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 11.7542, 23.4558, 4.0802 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 11.7542, 23.4558, 4.0802

Background



This preview shows how black text looks on a background with the XYZ color 11.7542, 23.4558, 4.0802.



This preview shows how white text looks on a background with the XYZ color 11.7542, 23.4558,

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

11.7542, 23.4558, 4.0802

Protanopia

20.7820, 23.1646, 3.3759

Deuteranopia

23.4755, 23.1442, 4.7434



Tritanopia

18.1540, 23.4706, 35.0260

Trichromacy



Original Color

11.7542, 23.4558, 4.0802



Protanomaly

14.2551, 21.4870, 3.4535



Deuteranomaly

15.0544, 21.0214, 4.1282



Tritanomaly

13.8533, 22.5908, 15.9422

Monochromacy



Original Color

11.7542, 23.4558, 4.0802



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

8.7767, 13.5282, 6.5635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7542, 23.4558, 4.0802 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, 6)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 6)  
}
```

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, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 6) }
```

Border

The CSS property to change the border of an element to XYZ 11.7542, 23.4558, 4.0802 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, 6) }
```


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

```
.border{ border-color:rgb(0, 155, 6) }
```

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, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 155, 6); box-shadow:4px  
4px 4px 4px rgb(0, 155, 6) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7542, 23.4558, 4.0802 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, 6) }
```

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

```
.background{ background-color: rgb(0, 155,  
6) }
```

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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