

Converting Colors

XYZ(15.1501, 23.7965, 4.0629)

Have a look what the booklet for
XYZ(15.1501, 23.7965, 4.0629)
contains.

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Color

**XYZ(15.1111, 23.7388,
4.0440)**

Conversions

Conversions Part 1

Format	Color
Hex	5B9509
RGB	91, 149, 9
RGB Percent	36%, 58%, 4%
CMY	0.6431, 0.4157, 0.9647
CMYK	0.39, 0.00, 0.94, 0.42
HSL	85°, 89%, 31%
HSV	85°, 94%, 58%
XYZ	15.1111, 23.7388, 4.0440
YIQ	115.6980, 10.3720, -55.8360

Conversions

Conversions Part 2

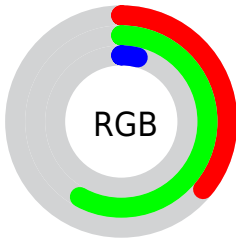
Format	Color
R_{YB}	9, 149, 67
Decimal	6001929
CIE Lab	55.83, -38.73, 57.11
CIE LCh	56, 69.000, 124.141
Yxy	23.7388, 0.3523, 0.5534
Android (android.graphics.Color)	4284192009 (0xFF5B9509)
YUV	115.6980, -52.6021, -21.6601
Hunter-Lab	48.7225, -29.9032, 29.1846

Details

The XYZ color **15.1111, 23.7388, 4.0440** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.8386, 3.5594, 28.7091**, and the grayscale version is **16.6625, 17.5302, 19.0904**.

A 20% lighter version of the original color is **34.6495, 49.7778, 14.0852**, and **5.0608, 9.0927, 1.4883** is the 20% darker color. If you saturate the color by 10%, you get **14.7033, 23.5350, 3.7678**, and if you desaturate by 10%, it is **15.8601, 24.1125, 4.6775**.

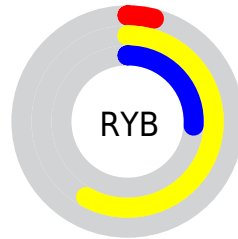
Distribution



 Red (36%)


 Green (58%)

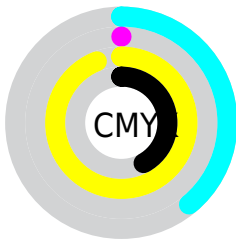
 Blue (4%)




 Red (4%)

 Yellow (58%)

 Blue (26%)

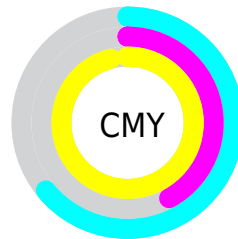


 Cyan (39%)


 Magenta (0%)

 Yellow (94%)

 Black (42%)



 Cyan (64%)

 Magenta (42%)

 Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1111, 23.7388, 4.0440 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 15.1111, 23.7388, 4.0440 by changing the saturation by 10% instead.

■ 15.1111, 23.7388,
4.0440

■ 15.1111, 23.7388,
4.0440

217.4128,
271.4973, 148.7132

■ 8.9842, 15.1400,
1.6495

■ 34.6180, 49.6036,
14.1111

■ 4.7879, 8.9177,
0.3258

■ 48.7288, 67.6384,
22.6208

■ 2.1568, 4.6875,
0.0000

■ 66.2315, 89.5873,
34.0060

■ 0.7198, 2.0651,
0.0000

■ 87.4916, 115.8347,
48.6852


■ 0.0000, 0.6449,
0.0000


■ 112.8745,
146.7650, 67.0770


■ 0.0000, 0.0000,
0.0000


■ 142.7454,


182.7626, 89.5999

 177.4697,
224.2119, 116.6724


 15.1111, 23.7388,
4.0440


 15.1111, 23.7388,
4.0440

 14.7033, 23.5350,
3.7678

 15.8601, 24.1125,
4.6775

 16.7444, 24.5453,
5.7583

 17.7780, 25.0439,
7.3515

 18.9720, 25.6129,
9.5111

 20.3365, 26.2564,
12.2838

■ 21.8805, 26.9781,
15.7116

■ 23.6122, 27.7814,
19.8330

■ 25.5392, 28.6694,
24.6833

■ 27.6689, 29.6453,
30.2954

Harmonies

Analogous

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



21.4910, 23.7388, 2.2666



15.1111, 23.7388, 4.0440



11.5282, 23.7388, 11.2119

Triad

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



15.1111, 23.7388, 4.0440



16.6021, 23.7388, 87.4785



41.2022, 23.7388, 22.8512

Complementary

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



15.1111, 23.7388, 4.0440



7.8386, 3.5594, 28.7091

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.



39.0432, 23.7388, 49.6420



15.1111, 23.7388, 4.0440



23.6701, 23.7388, 97.3238

Square

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



15.1111, 23.7388, 4.0440



12.2386, 23.7388, 58.4690



32.1331, 23.7388, 80.6320



37.4939, 23.7388, 8.3915

Rectangle

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



15.1111, 23.7388, 4.0440



10.6371, 23.7388, 21.6834



32.1331, 23.7388, 80.6320



41.1434, 23.7388, 30.5133

Sweetspot

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



15.1116, 23.7398, 4.0445



40.8104, 49.0679, 31.9521



14.3352, 10.1911, 1.4703



8.7789, 10.7509, 6.4561



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.1116, 23.7398, 4.0445



26.1220, 42.0387, 6.7375



11.1509, 21.6980, 3.8592



6.0354, 6.6261, 6.2013



12.4086, 19.8247, 3.1726



0.1855, 0.2600, 0.0404

Inverse Universe

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



7.8386, 3.5594, 28.7091



13.0487, 5.6046, 51.3153



15.5152, 7.5169, 29.0684



5.7135, 5.7433, 7.2772



6.2562, 2.6978, 24.1220



0.1088, 0.0496, 0.2967

Previews

White Background



This preview shows how the XYZ color 15.1111, 23.7388, 4.0440 looks on a white background.

Color Contrast Check

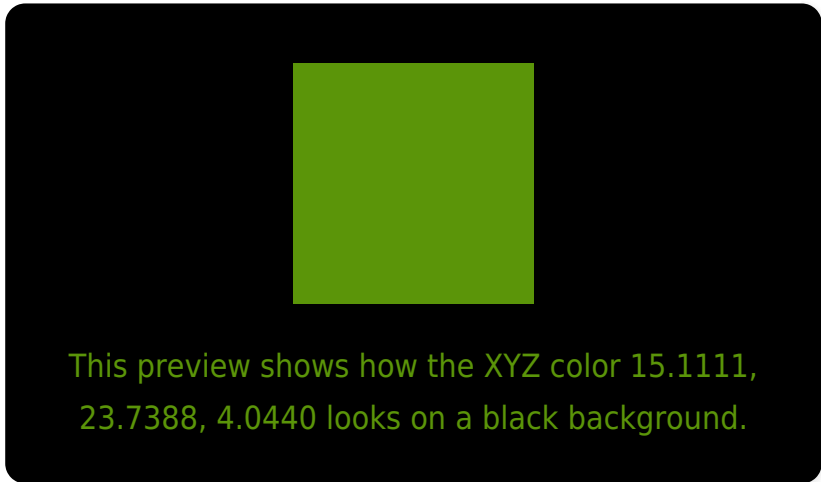
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

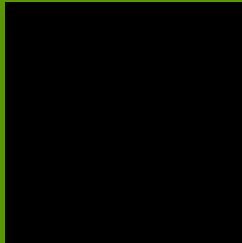
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.1111, 23.7388, 4.0440

Background



This preview shows how black text looks on a background with the XYZ color 15.1111, 23.7388, 4.0440.



This preview shows how white text looks on a background with the XYZ color 15.1111, 23.7388,

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

15.1111, 23.7388, 4.0440

Protanopia

21.1028, 23.5342, 3.4303

Deuteranopia

23.8436, 23.3403, 4.4767



Tritanopia

20.8010, 23.7930, 32.3503

Trichromacy



Original Color

15.1111, 23.7388, 4.0440

Protanomaly

18.3023, 23.1389, 3.5878

Deuteranomaly

19.4851, 22.6836, 4.1104

Tritanomaly

17.4414, 23.3125, 15.3849

Monochromacy



Original Color

15.1111, 23.7388, 4.0440

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.1221, 19.1000, 9.9108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1111, 23.7388, 4.0440 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(91, 149, 9)` looks like.

```
.text, #text, p{  
    color:rgb(91, 149, 9)  
}
```

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(91, 149, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 149, 9) }
```

Border

The CSS property to change the border of an element to XYZ 15.1111, 23.7388, 4.0440 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(91, 149, 9) }
```


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

```
.border{ border-color:rgb(91, 149, 9) }
```

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

Here you see how a box with a 4 pixel rgb(91, 149, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 149, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 149, 9);  
box-shadow:4px 4px 4px 4px rgb(91, 149, 9)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.1111, 23.7388, 4.0440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 149, 9) }
```

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

```
.background{ background-color: rgb(91, 149,  
9) }
```

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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