

# Converting Colors

XYZ(17.1420, 24.2160, 4.5671)

Have a look what the booklet for  
XYZ(17.1420, 24.2160, 4.5671)  
contains.

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# Color

**XYZ(17.1439, 24.3088,  
4.5991)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6F9317
RGB	111, 147, 23
RGB Percent	44%, 58%, 9%
CMY	0.5647, 0.4235, 0.9098
CMYK	0.24, 0.00, 0.84, 0.42
HSL	77°, 73%, 33%
HSV	77°, 84%, 58%
XYZ	17.1439, 24.3088, 4.5991
YIQ	122.1000, 18.3480, -46.1960

# Conversions

## Conversions Part 2

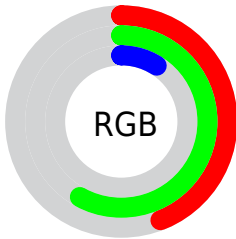
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	23, 147, 59
Decimal	7312151
CIE Lab	56.40, -29.54, 55.17
CIE LCh	56, 62.581, 118.171
Yxy	24.3088, 0.3723, 0.5279
Android (android.graphics.Color)	4285502231 (0xFF6F9317)
YUV	122.1000, -48.8563, -9.7347
Hunter-Lab	49.3040, -24.2142, 28.9822

# Details

The XYZ color **17.1439, 24.3088, 4.5991** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.3775, 3.6499, 27.9209**, and the grayscale version is **18.6826, 19.6555, 21.4049**.

A 20% lighter version of the original color is **38.0605, 50.4595, 15.3231**, and **5.9278, 9.2653, 1.4760** is the 20% darker color. If you saturate the color by 10%, you get **16.5109, 23.9959, 4.0000**, and if you desaturate by 10%, it is **17.8849, 24.6696, 5.6281**.

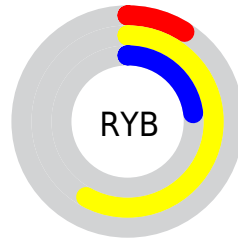
# Distribution



Red (44%)

Green (58%)

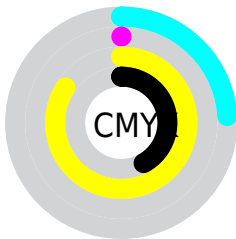
Blue (9%)



Red (9%)

Yellow (58%)

Blue (23%)

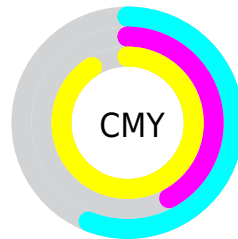


Cyan (24%)

Magenta (0%)

Yellow (84%)

Black (42%)



Cyan (56%)

Magenta (42%)


Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1439, 24.3088, 4.5991 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 17.1439, 24.3088, 4.5991 by changing the saturation by 10% instead.





 17.1439, 24.3088,  
4.5991


 17.1439, 24.3088,  
4.5991


229.1404,  
274.3780, 154.6682


 10.4331, 15.5628,  
1.9594


 38.1147, 50.5336,  
15.3695


 5.7515, 9.2153,  
0.5302


 53.1053, 68.7813,  
24.3372

 2.7338, 4.8819,  
0.0000

 71.5866, 90.9651,  
36.2515


 1.0146, 2.1781,  
0.0000

 93.9239, 117.4692,  
51.5307

 0.0000, 0.7080,  
0.0000

 120.4826,  
148.6782, 70.5934

 0.0000, 0.0000,  
0.0000

 151.6280,

184.9764, 93.8582

187.7255,  
226.7482, 121.7437

17.1439, 24.3088,  
4.5991

17.1439, 24.3088,  
4.5991

16.5109, 23.9959,  
4.0000

17.8849, 24.6696,  
5.6281

16.1803, 23.8307,  
3.7470

18.7449, 25.0801,  
7.1501

19.7346, 25.5456,  
9.2178

20.8630, 26.0697,  
11.8767

22.1383, 26.6556,  
15.1676

■ 23.5677, 27.3063,  
19.1277

■ 25.1581, 28.0246,  
23.7912

■ 26.9159, 28.8131,  
29.1900

■ 28.8470, 29.6742,  
35.3541

# Harmonies

## Analogous

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



23.5513, 24.3088, 3.2864



17.1439, 24.3088, 4.5991



13.1924, 24.3088, 10.5346

# Triad

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



17.1439, 24.3088, 4.5991



16.5217, 24.3088, 76.7468



39.9696, 24.3088, 27.7594

# Complementary

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



17.1439, 24.3088, 4.5991



7.3775, 3.6499, 27.9209

# 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.



37.0420, 24.3088, 53.5050



17.1439, 24.3088, 4.5991



22.6639, 24.3088, 89.5293

# Square

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



17.1439, 24.3088, 4.5991



12.8893, 24.3088, 50.0627



30.3084, 24.3088, 79.3599



37.6531, 24.3088, 11.7710



# Rectangle

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



17.1439, 24.3088, 4.5991



11.9950, 24.3088, 19.1171



30.3084, 24.3088, 79.3599



39.5558, 24.3088, 35.4967

# Sweetspot

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



17.1445, 24.3099, 4.5996



41.8917, 48.7575, 33.3639



13.7080, 9.3054, 1.8846



9.3718, 11.0434, 7.0793



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.



17.1445, 24.3099, 4.5996



28.7930, 42.5814, 6.7015



11.8981, 21.6053, 4.3541



6.1031, 6.6610, 6.2045



14.0520, 20.6720, 3.2495



0.2013, 0.2681, 0.0411



# Inverse Universe

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



7.3775, 3.6499, 27.9209



11.0363, 4.5999, 49.7408



13.3381, 6.7226, 28.1998



5.6483, 5.7097, 7.2741



5.4402, 2.2771, 24.0838



0.0930, 0.0415, 0.2960



# Previews

## White Background



This preview shows how the XYZ color 17.1439, 24.3088, 4.5991 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

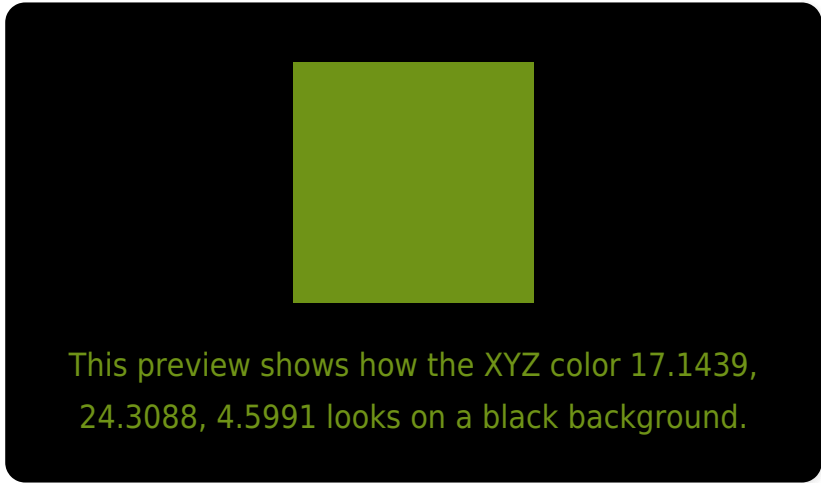
Any Text WCAG AA × Fail

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

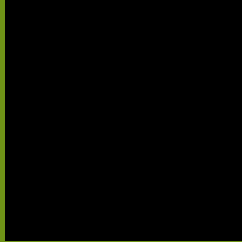
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 17.1439, 24.3088, 4.5991**

## **Background**



This preview shows how black text looks on a background with the XYZ color 17.1439, 24.3088, 4.5991.



This preview shows how white text looks on a background with the XYZ color 17.1439, 24.3088,



# 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

17.1439, 24.3088, 4.5991

### Protanopia

21.7391, 24.0539, 4.1589

### Deuteranopia

24.6001, 24.1057, 4.9464



## Tritanopia

22.6031, 24.3145, 31.5188

# Trichromacy



## Original Color

17.1439, 24.3088, 4.5991

## Protanomaly

19.6845, 23.8377, 4.2731

## Deuteranomaly

21.3057, 23.8164, 4.7704

## Tritanomaly

19.5808, 23.9510, 16.4229

# Monochromacy



## Original Color

17.1439, 24.3088, 4.5991

## Achromatopsia

18.4984, 19.4618, 21.1939

## Achromatomaly

17.2672, 20.7560, 11.9003

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 17.1439, 24.3088, 4.5991 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(111, 147, 23)` looks like.

```
.text, #text, p{  
    color:rgb(111, 147, 23)  
}
```

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(111, 147, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 147, 23) }
```

## Border

The CSS property to change the border of an element to XYZ 17.1439, 24.3088, 4.5991 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(111, 147, 23) }
```



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

```
.border{ border-color:rgb(111, 147, 23) }
```

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

Here you see how a box with a 4 pixel rgb(111, 147, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 147, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 147, 23);  
box-shadow:4px 4px 4px 4px rgb(111, 147,  
23) }
```

# Background

The CSS property to change the background color of an element to XYZ 17.1439, 24.3088, 4.5991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 147, 23) }
```

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

```
.background{ background-color: rgb(111,  
147, 23) }
```

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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