

Converting Colors

XYZ(15.7392, 23.6364, 4.3470)

Have a look what the booklet for
XYZ(15.7392, 23.6364, 4.3470)
contains.

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Color

**XYZ(15.6969, 23.5671,
4.3377)**

Conversions

Conversions Part 1

Format	Color
Hex	639313
RGB	99, 147, 19
RGB Percent	39%, 58%, 7%
CMY	0.6118, 0.4235, 0.9255
CMYK	0.33, 0.00, 0.87, 0.42
HSL	83°, 77%, 33%
HSV	83°, 87%, 58%
XYZ	15.6969, 23.5671, 4.3377
YIQ	118.0560, 12.4800, -49.9840

Conversions

Conversions Part 2

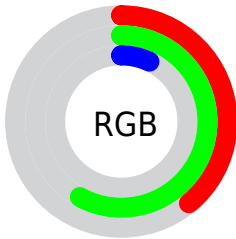
Format	Color
RYB	19, 147, 67
Decimal	6525715
CIELab	55.65, -34.52, 55.23
CIELCh	56, 65.132, 122.007
Yxy	23.5671, 0.3600, 0.5405
Android (android.graphics.Color)	4284715795 (0xFF639313)
YUV	118.0560, -48.8346, -16.7121
Hunter-Lab	48.5460, -27.2391, 28.6845

Details

The XYZ color **15.6969, 23.5671, 4.3377** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.8152, 3.7664, 27.9202**, and the grayscale version is **17.3838, 18.2891, 19.9168**.

A 20% lighter version of the original color is **35.5882, 49.1934, 14.8273**, and **5.2651, 8.9236, 1.4449** is the 20% darker color. If you saturate the color by 10%, you get **15.0215, 23.2305, 3.8159**, and if you desaturate by 10%, it is **16.4875, 23.9561, 5.2464**.

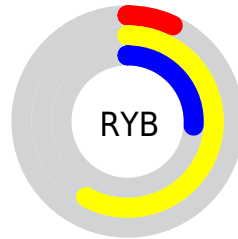
Distribution



Red (39%)

Green (58%)

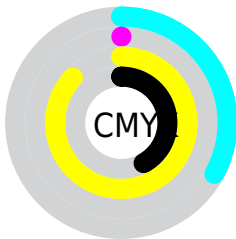
Blue (7%)



Red (7%)

Yellow (58%)

Blue (26%)

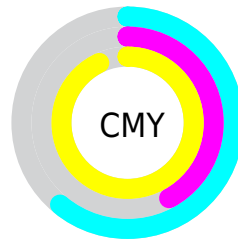


Cyan (33%)

Magenta (0%)

Yellow (87%)

Black (42%)



Cyan (61%)

Magenta (42%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6969, 23.5671, 4.3377 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 15.6969, 23.5671, 4.3377 by changing the saturation by 10% instead.

■ 15.6969, 23.5671,
4.3377

■ 15.6969, 23.5671,
4.3377

220.8522,
270.6245, 151.9080

■ 9.3994, 15.0128,
1.8124

■ 35.6329, 49.3228,
14.7814

■ 5.0618, 8.8284,
0.4361

■ 50.0022, 67.2931,
23.5368

■ 2.3187, 4.6294,
0.0000

■ 67.7927, 89.1708,
35.2061

■ 0.8042, 2.0315,
0.0000

■ 89.3699, 115.3403,
50.2077


■ 0.0000, 0.6257,
0.0000


■ 115.0991,
146.1860, 68.9601


■ 0.0000, 0.0000,
0.0000


■ 145.3456,

182.0924, 91.8819


 180.4749,
223.4437, 119.3917


 15.6969, 23.5671,
4.3377


 15.6969, 23.5671,
4.3377


 15.0215, 23.2305,
3.8159


 16.4875, 23.9561,
5.2464

 14.8350, 23.1371,
3.6840

 17.4099, 24.4019,
6.6331

 18.4759, 24.9101,
8.5529

 19.6951, 25.4845,
11.0529

 21.0762, 26.1289,
14.1749

■ 22.6272, 26.8463,
17.9571

■ 24.3554, 27.6399,
22.4345

■ 26.2676, 28.5125,
27.6396

■ 28.3704, 29.4667,
33.6030

Harmonies

Analogous

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



21.9073, 23.5671, 2.7172



15.6969, 23.5671, 4.3377



12.0718, 23.5671, 10.9358

Triad

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



15.6969, 23.5671, 4.3377



16.3848, 23.5671, 80.7714



39.7574, 23.5671, 24.2655

Complementary

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



15.6969, 23.5671, 4.3377



7.8152, 3.7664, 27.9202

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.



37.3882, 23.5671, 49.8136



15.6969, 23.5671, 4.3377



22.8997, 23.5671, 91.3476

Square

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



15.6969, 23.5671, 4.3377



12.4034, 23.5671, 53.7431



30.7819, 23.5671, 77.7573



36.6943, 23.5671, 9.6002

Rectangle

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



15.6969, 23.5671, 4.3377



11.0927, 23.5671, 20.4203



30.7819, 23.5671, 77.7573



39.5686, 23.5671, 31.7283

Sweetspot

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



15.6974, 23.5681, 4.3382



40.6778, 48.1483, 32.5542



14.0955, 10.1397, 1.8307



9.0786, 10.8956, 6.9129



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.



15.6974, 23.5681, 4.3382



26.3653, 41.3299, 6.5879



11.2820, 21.2919, 4.1316



6.0568, 6.6371, 6.2023



12.8885, 20.0722, 3.1950



0.1905, 0.2626, 0.0406

Inverse Universe

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



7.8152, 3.7664, 27.9202



12.0836, 5.1398, 49.7898



14.6960, 7.3135, 28.2422



5.6928, 5.7326, 7.2762



5.9636, 2.5469, 24.1083



0.1038, 0.0470, 0.2965

Previews

White Background



This preview shows how the XYZ color 15.6969, 23.5671, 4.3377 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 15.6969, 23.5671, 4.3377 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 15.6969, 23.5671, 4.3377

Background



This preview shows how black text looks on a background with the XYZ color 15.6969, 23.5671, 4.3377.



This preview shows how white text looks on a background with the XYZ color 15.6969, 23.5671,

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

15.6969, 23.5671, 4.3377

Protanopia

21.0445, 23.2908, 3.8019

Deuteranopia

23.6717, 23.2470, 4.6783



Tritanopia

21.2304, 23.6068, 31.4546

Trichromacy



Original Color

15.6969, 23.5671, 4.3377

Protanomaly

18.5421, 23.0397, 3.9600

Deuteranomaly

19.8900, 22.8848, 4.4675

Tritanomaly

18.1805, 23.2405, 15.8396

Monochromacy



Original Color

15.6969, 23.5671, 4.3377

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

15.9288, 19.6892, 10.9435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6969, 23.5671, 4.3377 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(99, 147, 19)` looks like.

```
.text, #text, p{  
    color:rgb(99, 147, 19)  
}
```

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(99, 147, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 147, 19) }
```

Border

The CSS property to change the border of an element to XYZ 15.6969, 23.5671, 4.3377 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(99, 147, 19) }
```


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

```
.border{ border-color:rgb(99, 147, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 147, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 147, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 147, 19);  
box-shadow:4px 4px 4px 4px rgb(99, 147,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6969, 23.5671, 4.3377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 147, 19) }
```

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

```
.background{ background-color: rgb(99, 147,  
19) }
```

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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