

Converting Colors

XYZ(15.9445, 30.2767, 7.5005)

Have a look what the booklet for
XYZ(15.9445, 30.2767, 7.5005)
contains.

XYZ(15.9823, 30.3679, 7.5019)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.9823, 30.3679,
7.5019)**

Conversions

Conversions Part 1

Format	Color
Hex	1FAD2D
RGB	31, 173, 45
RGB Percent	12%, 68%, 18%
CMY	0.8784, 0.3216, 0.8235
CMYK	0.82, 0.00, 0.74, 0.32
HSL	126°, 70%, 40%
HSV	126°, 82%, 68%
XYZ	15.9823, 30.3679, 7.5019
YIQ	115.9500, -43.5440, -69.9120

Conversions

Conversions Part 2

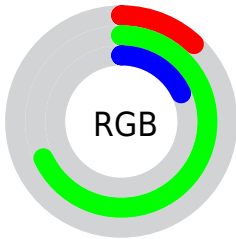
Format	Color
RYB	31, 160, 173
Decimal	2075949
CIELab	61.97, -60.10, 52.44
CIELCh	62, 79.765, 138.895
Yxy	30.3679, 0.2968, 0.5639
Android (android.graphics.Color)	4280266029 (0xFF1FAD2D)
YUV	115.9500, -34.9783, -74.5011
Hunter-Lab	55.1071, -44.6683, 30.5036

Details

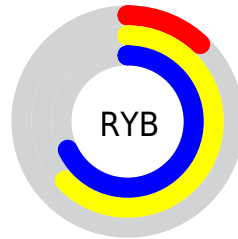
The XYZ color **15.9823, 30.3679, 7.5019** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **23.9822, 12.3678, 33.9235**, and the grayscale version is **16.6993, 17.5689, 19.1326**.

A 20% lighter version of the original color is **36.2579, 60.4375, 21.5590**, and **6.5968, 13.1937, 2.1989** is the 20% darker color. If you saturate the color by 10%, you get **15.3476, 30.0701, 6.1844**, and if you desaturate by 10%, it is **17.0089, 30.8567, 9.4180**.

Distribution



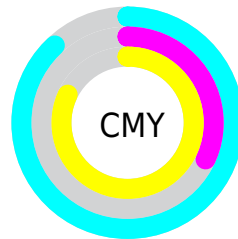
- Red (12%)
- Green (68%)
- Blue (18%)



- Red (12%)
- Yellow (63%)
- Blue (68%)



- Cyan (82%)
- Magenta (0%)
- Yellow (74%)
- Black (32%)





- Cyan (88%)
- Magenta (32%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.9823, 30.3679, 7.5019 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 15.9823, 30.3679, 7.5019 by changing the saturation by 10% instead.


 15.9823, 30.3679,
7.5019


 15.9823, 30.3679,
7.5019


222.5097,
303.6156, 181.5575


 9.6024, 20.1180,
3.6948


 36.1252, 60.2435,
21.5058


 5.1964, 12.4809,
1.4594


 50.6188, 80.6380,
32.5397


 2.3989, 7.0720,
0.1874


 68.5478, 105.1828,
46.8195

 0.8445, 3.5072,
0.0000

 90.2775, 134.2624,
64.7639

 0.0000, 1.4019,
0.0000

 116.1731,
168.2610, 86.7913

 0.0000, 0.2181,
0.0000

 146.6001,

 0.0000, 0.0000,

207.5632, 113.3204

0.0000

181.9239,
252.5532, 144.7696

■ 15.9823, 30.3679,
7.5019

■ 15.9823, 30.3679,
7.5019

■ 15.3476, 30.0701,
6.1844

■ 17.0089, 30.8567,
9.4180

■ 15.0458, 29.9290,
5.5167

■ 18.4754, 31.5573,
11.9902

■ 20.4253, 32.4919,
15.2716

■ 22.8960, 33.6788,
19.3093

■ 25.9216, 35.1346,
24.1464

■ 29.5329, 36.8744,
29.8226

■ 33.7587, 38.9122,
36.3751

■ 38.6258, 41.2612,
43.8388

■ 44.1594, 43.9335,
52.2468

Harmonies

Analogous

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



22.7068, 30.3679, 2.7903



15.9823, 30.3679, 7.5019



13.0291, 30.3679, 22.9754

Triad

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



15.9823, 30.3679, 7.5019



25.0837, 30.3679, 130.9764



53.0009, 30.3679, 17.4327

Complementary

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



15.9823, 30.3679, 7.5019



23.9822, 12.3678, 33.9235

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.



54.0920, 30.3679, 45.7465



15.9823, 30.3679, 7.5019



36.0439, 30.3679, 125.8628

Square

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



15.9823, 30.3679, 7.5019



17.3510, 30.3679, 100.1997



47.2842, 30.3679, 88.8186



44.5931, 30.3679, 5.5889

Rectangle

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



15.9823, 30.3679, 7.5019



12.9483, 30.3679, 43.0273



47.2842, 30.3679, 88.8186



54.3014, 30.3679, 24.7737

Sweetspot

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



15.9830, 30.3692, 7.5026



50.5994, 64.9338, 49.8255



29.9236, 37.5820, 6.9733



10.5202, 13.8822, 10.0797



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



15.9830, 30.3692, 7.5026



27.0079, 53.6309, 9.9160



18.5372, 31.3908, 20.9525



7.9354, 8.9517, 8.6848



11.0634, 21.9906, 4.1074



0.3178, 0.6158, 0.1671

Inverse Universe

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



23.9822, 12.3678, 33.9235



41.6585, 20.3068, 58.0441



19.5769, 10.6057, 10.7258



8.3025, 8.1343, 9.9039



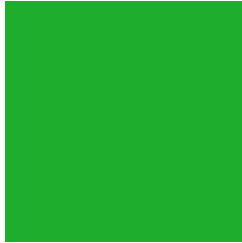
17.0771, 8.2934, 23.8491



0.4847, 0.2346, 0.7141

Previews

White Background



This preview shows how the XYZ color 15.9823, 30.3679, 7.5019 looks on a white background.

Color Contrast Check

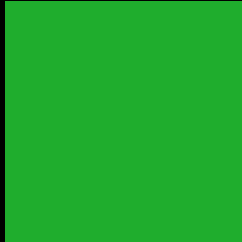
Large Text (above 18pt) WCAG AA × Fail

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 15.9823, 30.3679, 7.5019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

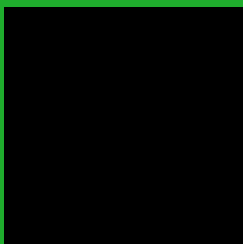
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 15.9823, 30.3679, 7.5019

Background



This preview shows how black text looks on a background with the XYZ color 15.9823, 30.3679, 7.5019.



This preview shows how white text looks on a background with the XYZ color 15.9823, 30.3679,

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

15.9823, 30.3679, 7.5019

Protanopia

27.0500, 29.8569, 6.2567

Deuteranopia

30.2710, 29.6594, 8.0003



Tritanopia

23.3653, 30.0822, 44.6194

Trichromacy



Original Color

15.9823, 30.3679, 7.5019



Protanomaly

20.0983, 28.4654, 6.5329



Deuteranomaly

21.0871, 27.7066, 7.6047



Tritanomaly

19.1494, 29.4032, 24.7448

Monochromacy



Original Color

15.9823, 30.3679, 7.5019



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

14.5374, 20.5608, 12.8753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9823, 30.3679, 7.5019 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(31, 173, 45)` looks like.

```
.text, #text, p{  
    color:rgb(31, 173, 45)  
}
```

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(31, 173, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 173, 45) }
```

Border

The CSS property to change the border of an element to XYZ 15.9823, 30.3679, 7.5019 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(31, 173, 45) }
```


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

```
.border{ border-color:rgb(31, 173, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 173, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 173, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 173, 45);  
box-shadow:4px 4px 4px 4px rgb(31, 173,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9823, 30.3679, 7.5019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 173, 45) }
```

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

```
.background{ background-color: rgb(31, 173,  
45) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor