

Converting Colors

XYZ(15.9075, 31.2331, 5.1902)

Have a look what the booklet for
XYZ(15.9075, 31.2331, 5.1902)
contains.

| | |
|--|----|
| XYZ(15.9262, 31.2573, 5.1939) | 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(15.9262, 31.2573,
5.1939)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 19B000 |
| RGB | 25, 176, 0 |
| RGB Percent | 10%, 69%, 0% |
| CMY | 0.9020, 0.3098, 0.9999 |
| CMYK | 0.86, 0.00, 1.00, 0.31 |
| HSL | 111°, 100%, 35% |
| HSV | 111°, 100%, 69% |
| XYZ | 15.9262, 31.2573, 5.1939 |
| YIQ | 110.7870, -33.5000, -86.7480 |

Conversions

Conversions Part 2

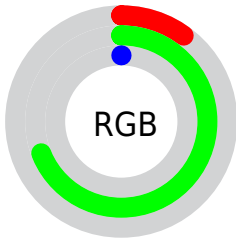
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 176, 151 |
| Decimal | 1683456 |
| CIELab | 62.72, -63.68, 63.20 |
| CIELCh | 63, 89.714, 135.216 |
| Yxy | 31.2573, 0.3041, 0.5968 |
| Android (android.graphics.Color) | 4279873536 (0xFF19B000) |
| YUV | 110.7870, -54.6180, -75.2352 |
| Hunter-Lab | 55.9082, -46.9913, 33.6277 |

Details

The XYZ color **15.9262, 31.2573, 5.1939** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **20.6037, 9.7166, 41.8655**, and the grayscale version is **15.2090, 16.0011, 17.4252**.

A 20% lighter version of the original color is **36.0024, 61.6694, 16.6625**, and **6.9595, 13.9191, 2.3198** is the 20% darker color. If you saturate the color by 10%, you get **15.9264, 31.2584, 5.1941**, and if you desaturate by 10%, it is **16.5110, 31.5475, 5.7751**.

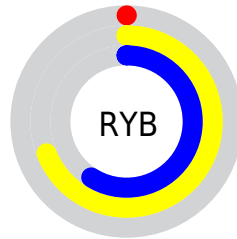
Distribution



Red (10%)

Green (69%)

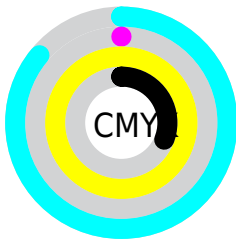
Blue (0%)



Red (0%)

Yellow (69%)

Blue (59%)

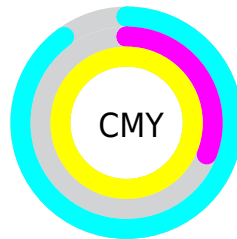


Cyan (86%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (90%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.9262, 31.2573, 5.1939 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 15.9262, 31.2573, 5.1939 by changing the saturation by 10% instead.


 15.9262, 31.2573,
5.1939


 15.9262, 31.2573,
5.1939


222.1848,
307.7219, 160.6924


 9.5625, 20.7949,
2.3008


 36.0285, 61.6449,
16.6811


 5.1699, 12.9741,
0.7316


 50.4978, 82.3389,
26.1122

 2.3830, 7.4107,
0.0000


 68.3997, 107.2122,
38.5598

 0.8367, 3.7203,
0.0000

 90.0994, 136.6492,
54.4422

 0.0000, 1.5183,
0.0000

 115.9625,
171.0343, 74.1782


 0.0000, 0.3016,
0.0000


 146.3542,


 0.0000, 0.0000,


210.7518, 98.1862


0.0000


 181.6398,
256.1862, 126.8848


 15.9262, 31.2573,
5.1939


 15.9262, 31.2573,
5.1939

 15.9264, 31.2584,
5.1941

 16.5110, 31.5475,
5.7751

 17.4193, 31.9925,
6.8643

 18.7122, 32.6207,
8.6566

 20.4281, 33.4498,
11.2438

 22.6002, 34.4952,
14.7039

■ 25.2586, 35.7710,
19.1055

■ 28.4306, 37.2899,
24.5105

■ 32.1415, 39.0637,
30.9754

■ 36.4150, 41.1035,
38.5526

Harmonies

Analogous

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



23.9436, 31.2573, 1.6172



15.9262, 31.2573, 5.1939



12.2531, 31.2573, 19.5546

Triad

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



15.9262, 31.2573, 5.1939



24.0928, 31.2573, 149.8711



58.7413, 31.2573, 19.2164

Complementary

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



15.9262, 31.2573, 5.1939



20.6037, 9.7166, 41.8655

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.



58.8139, 31.2573, 54.3220



15.9262, 31.2573, 5.1939



36.3330, 31.2573, 149.5171

Square

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



15.9262, 31.2573, 5.1939



16.0094, 31.2573, 107.9190



49.7692, 31.2573, 107.1431



49.5919, 31.2573, 5.0917

Rectangle

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



15.9262, 31.2573, 5.1939



11.8789, 31.2573, 40.5455



49.7692, 31.2573, 107.1431



59.8965, 31.2573, 28.2596

Sweetspot

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



15.9269, 31.2586, 5.1946



51.2292, 67.4699, 43.8795



28.7488, 30.9175, 4.4530



10.5693, 14.3667, 8.5961



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



15.9269, 31.2586, 5.1946



28.7716, 56.6321, 9.4147



16.3851, 31.3956, 9.6983



8.4975, 9.5460, 9.0472



11.7159, 22.9498, 3.8123



0.4037, 0.7402, 0.1216

Inverse Universe

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



20.6037, 9.7166, 41.8655



37.2186, 17.5451, 75.9202



20.9660, 10.4551, 16.9548



8.7291, 8.5844, 10.7032



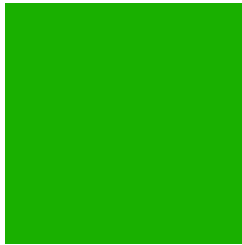
15.1536, 7.1478, 30.7180



0.5092, 0.2416, 0.9680

Previews

White Background



This preview shows how the XYZ color 15.9262, 31.2573, 5.1939 looks on a white background.

Color Contrast Check

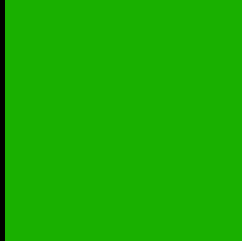
Large Text (above 18pt) WCAG AA × Fail

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 15.9262, 31.2573, 5.1939 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 15.9262, 31.2573, 5.1939

Background



This preview shows how black text looks on a background with the XYZ color 15.9262, 31.2573, 5.1939.



This preview shows how white text looks on a background with the XYZ color 15.9262, 31.2573,

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

15.9262, 31.2573, 5.1939

Protanopia

27.6442, 30.6793, 4.4647

Deuteranopia

31.1586, 30.6037, 6.0986



Tritanopia

24.2718, 31.3030, 46.3578

Trichromacy



Original Color

15.9262, 31.2573, 5.1939



Protanomaly

19.9069, 28.9235, 4.5336



Deuteranomaly

20.9395, 28.1758, 5.1990



Tritanomaly

18.7282, 30.0971, 20.4450

Monochromacy



Original Color

15.9262, 31.2573, 5.1939



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

13.1096, 19.4884, 9.0319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9262, 31.2573, 5.1939 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(25, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(25, 176, 0)  
}
```

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(25, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 176, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.9262, 31.2573, 5.1939 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(25, 176, 0) }
```


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

```
.border{ border-color:rgb(25, 176, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 176, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 176, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 176, 0);  
box-shadow:4px 4px 4px 4px rgb(25, 176, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.9262, 31.2573, 5.1939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 176, 0) }
```

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

```
.background{ background-color: rgb(25, 176,  
0) }
```

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