

Converting Colors

XYZ(14.9689, 29.2888, 5.0606)

Have a look what the booklet for
XYZ(14.9689, 29.2888, 5.0606)
contains.

| | |
|------------------------------------------------|----|
| XYZ(15.0022, 29.3478, 5.0750) | 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(15.0022, 29.3478,
5.0750)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 19AB07 |
| RGB | 25, 171, 7 |
| RGB Percent | 10%, 67%, 3% |
| CMY | 0.9019, 0.3294, 0.9725 |
| CMYK | 0.85, 0.00, 0.96, 0.33 |
| HSL | 113°, 92%, 35% |
| HSV | 113°, 96%, 67% |
| XYZ | 15.0022, 29.3478, 5.0750 |
| YIQ | 108.6500, -34.3720, -81.9560 |

Conversions

Conversions Part 2

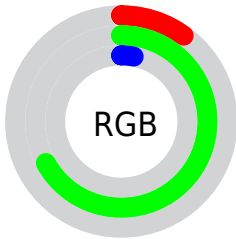
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 7, 171, 153 |
| Decimal | 1682183 |
| CIE _{Lab} | 61.09, -62.06, 60.93 |
| CIE _{LCh} | 61, 86.972, 135.524 |
| Yxy | 29.3478, 0.3035, 0.5938 |
| Android (android.graphics.Color) | 4279872263 (0xFF19AB07) |
| YUV | 108.6500, -50.1134, -73.3610 |
| Hunter-Lab | 54.1736, -45.3721, 32.3672 |

Details

The XYZ color **15.0022, 29.3478, 5.0750** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **20.5670, 9.8665, 39.3500**, and the grayscale version is **14.5823, 15.3417, 16.7071**.

A 20% lighter version of the original color is **34.5274, 58.8334, 16.3737**, and **6.3613, 12.7226, 2.1204** is the 20% darker color. If you saturate the color by 10%, you get **14.8273, 29.2629, 4.8668**, and if you desaturate by 10%, it is **15.6135, 29.6491, 5.7704**.

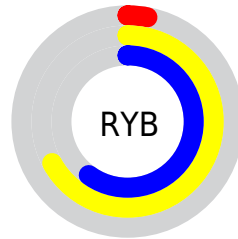
Distribution



Red (10%)

Green (67%)

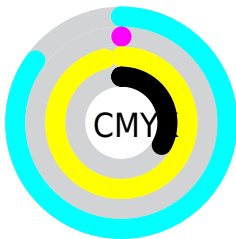
Blue (3%)



Red (3%)

Yellow (67%)

Blue (60%)

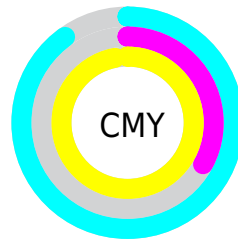


Cyan (85%)

Magenta (0%)

Yellow (96%)

Black (33%)



Cyan (90%)


Magenta (33%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.0022, 29.3478, 5.0750 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 15.0022, 29.3478, 5.0750 by changing the saturation by 10% instead.


 15.0022, 29.3478,
5.0750


 15.0022, 29.3478,
5.0750


216.7676,
298.8525, 159.5145


 8.9073, 19.3441,
2.2318


 34.4287, 58.6292,
16.4216


 4.7374, 11.9192,
0.6926


 48.4909, 78.6757,
25.7622


 2.1272, 6.6887,
0.0000


 65.9396, 102.8386,
38.1056

 0.7039, 3.2682,
0.0000

 87.1401, 131.5022,
53.8704

 0.0000, 1.2733,
0.0000

 112.4578,
165.0510, 73.4751


 0.0000, 0.1204,
0.0000


 142.2581,


 0.0000, 0.0000,


203.8694, 97.3384


0.0000


 176.9062,
248.3418, 125.8786


 15.0022, 29.3478,
5.0750


 15.0022, 29.3478,
5.0750


 14.8273, 29.2629,
4.8668

 15.6135, 29.6491,
5.7704

 16.5679, 30.1136,
7.0570

 17.9102, 30.7631,
9.0393

 19.6765, 31.6144,
11.7968

 21.8989, 32.6827,
15.3984

■ 24.6063, 33.9815,
19.9051

■ 27.8253, 35.5233,
25.3725

■ 31.5804, 37.3196,
31.8517

■ 35.8946, 39.3812,
39.3900

Harmonies

Analogous

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



22.4329, 29.3478, 1.6121



15.0022, 29.3478, 5.0750



11.6068, 29.3478, 18.6991

Triad

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



15.0022, 29.3478, 5.0750



22.7693, 29.3478, 139.3059



54.7689, 29.3478, 17.9340

Complementary

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



15.0022, 29.3478, 5.0750



20.5670, 9.8665, 39.3500

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.



54.9317, 29.3478, 50.3404



15.0022, 29.3478, 5.0750



34.1770, 29.3478, 138.5146

Square

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



15.0022, 29.3478, 5.0750



15.1904, 29.3478, 100.8691



46.6244, 29.3478, 99.1325



46.2263, 29.3478, 4.8406

Rectangle

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



15.0022, 29.3478, 5.0750



11.2790, 29.3478, 38.3821



46.6244, 29.3478, 99.1325



55.8696, 29.3478, 26.2883

Sweetspot

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



15.0029, 29.3490, 5.0757



47.6390, 62.5681, 41.6946



28.0410, 31.0883, 4.7242



10.0963, 13.7003, 8.4035



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.



15.0029, 29.3490, 5.0757



26.4661, 52.3612, 8.7118



15.7529, 29.6129, 10.6597



7.9830, 8.9798, 8.5259



11.2007, 22.0712, 3.6698



0.3369, 0.6271, 0.1033

Inverse Universe

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



20.5670, 9.8665, 39.3500



36.3260, 17.2060, 70.4084



19.5857, 9.8963, 15.1047



8.2493, 8.1028, 10.0819



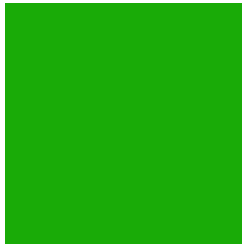
15.3645, 7.2806, 29.6400



0.4515, 0.2150, 0.8257

Previews

White Background



This preview shows how the XYZ color 15.0022, 29.3478, 5.0750 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 15.0022, 29.3478, 5.0750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

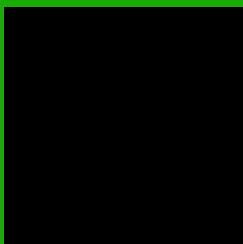
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.0022, 29.3478, 5.0750

Background



This preview shows how black text looks on a background with the XYZ color 15.0022, 29.3478, 5.0750.



This preview shows how white text looks on a background with the XYZ color 15.0022, 29.3478,

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

15.0022, 29.3478, 5.0750

Protanopia

25.9508, 28.8668, 4.2041

Deuteranopia

29.3337, 28.7892, 5.7611



Tritanopia

22.7462, 29.2707, 43.4807

Trichromacy



Original Color

15.0022, 29.3478, 5.0750



Protanomaly

18.8443, 27.3609, 4.3741



Deuteranomaly

19.8572, 26.6434, 5.0734



Tritanomaly

17.7092, 28.2341, 19.8456

Monochromacy



Original Color

15.0022, 29.3478, 5.0750



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

12.5628, 18.5901, 9.0570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0022, 29.3478, 5.0750 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, 171, 7)` looks like.

```
.text, #text, p{  
    color:rgb(25, 171, 7)  
}
```

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, 171, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 171, 7) }
```

Border

The CSS property to change the border of an element to XYZ 15.0022, 29.3478, 5.0750 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, 171, 7) }
```


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

```
.border{ border-color:rgb(25, 171, 7) }
```

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

Here you see how a box with a 4 pixel rgb(25, 171, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 171, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 171, 7);  
box-shadow:4px 4px 4px 4px rgb(25, 171, 7)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.0022, 29.3478, 5.0750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 171, 7) }
```

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

```
.background{ background-color: rgb(25, 171,  
7) }
```

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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