

Converting Colors

XYZ(14.5919, 29.1384, 5.0040)

Have a look what the booklet for
XYZ(14.5919, 29.1384, 5.0040)
contains.

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Color

**XYZ(14.5903, 29.1368,
4.9986)**

Conversions

Conversions Part 1

Format	Color
Hex	00AB05
RGB	0, 171, 5
RGB Percent	0%, 67%, 2%
CMY	1.0000, 0.3294, 0.9803
CMYK	1.00, 0.00, 0.97, 0.33
HSL	122°, 100%, 34%
HSV	122°, 100%, 67%
XYZ	14.5903, 29.1368, 4.9986
YIQ	100.9470, -48.6300, -87.8780

Conversions

Conversions Part 2

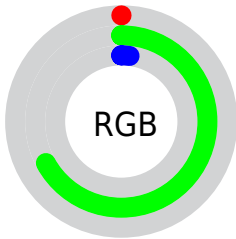
Format	Color
RYB	0, 166, 171
Decimal	43781
CIELab	60.90, -63.76, 60.98
CIELCh	61, 88.221, 136.277
Yxy	29.1368, 0.2994, 0.5980
Android (android.graphics.Color)	4278233861 (0xFF00AB05)
YUV	100.9470, -47.3019, -88.5305
Hunter-Lab	53.9785, -46.2142, 32.2945

Details

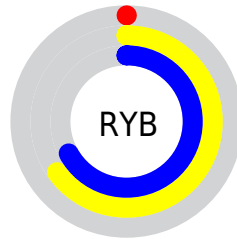
The XYZ color **14.5903, 29.1368, 4.9986** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **23.6769, 11.4109, 37.0242**, and the grayscale version is **12.4843, 13.1345, 14.3034**.

A 20% lighter version of the original color is **33.7672, 58.4415, 16.3381**, and **6.3613, 12.7226, 2.1204** is the 20% darker color. If you saturate the color by 10%, you get **14.5910, 29.1380, 4.9993**, and if you desaturate by 10%, it is **14.9376, 29.3036, 5.6086**.

Distribution



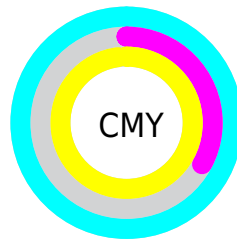
- Red (0%)
- Green (67%)
- Blue (2%)



- Red (0%)
- Yellow (65%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (97%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.5903, 29.1368, 4.9986 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 14.5903, 29.1368, 4.9986 by changing the saturation by 10% instead.


 14.5903, 29.1368,
4.9986


 14.5903, 29.1368,
4.9986


214.3107,
297.8599, 158.7509


 8.6168, 19.1843,
2.1877


 33.7104, 58.2944,
16.2542


 4.5472, 11.8035,
0.6673


 47.5877, 78.2682,
25.5360


 2.0161, 6.6101,
0.0000


 64.8304, 102.3514,
37.8119

 0.6430, 3.2195,
0.0000

 85.8037, 130.9282,
53.5003

 0.0000, 1.2473,
0.0000

 110.8730,
164.3831, 73.0199


 0.0000, 0.0999,
0.0000


 140.4037,


 0.0000, 0.0000,


203.1004, 96.7892


0.0000


 174.7612,
247.4645, 125.2267


 14.5903, 29.1368,
4.9986


 14.5903, 29.1368,
4.9986


 14.5910, 29.1380,
4.9993

 14.9376, 29.3036,
5.6086

 15.5832, 29.6119,
6.7463

 16.6291, 30.1127,
8.5269

 18.1261, 30.8307,
11.0263

 20.1174, 31.7866,
14.3099

■ 22.6412, 32.9990,
18.4356

■ 25.7319, 34.4844,
23.4559

■ 29.4211, 36.2581,
29.4191

■ 33.7380, 38.3341,
36.3699

Harmonies

Analogous

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



21.9471, 29.1368, 1.4962



14.5903, 29.1368, 4.9986



11.2882, 29.1368, 18.9483

Triad

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



14.5903, 29.1368, 4.9986



22.7722, 29.1368, 141.5757



54.8038, 29.1368, 17.0804

Complementary

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



14.5903, 29.1368, 4.9986



23.6769, 11.4109, 37.0242

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.



55.2067, 29.1368, 49.2446



14.5903, 29.1368, 4.9986



34.3648, 29.1368, 139.6055

Square

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



14.5903, 29.1368, 4.9986



15.0495, 29.1368, 103.0238



46.9442, 29.1368, 98.7103



45.9607, 29.1368, 4.4389

Rectangle

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



14.5903, 29.1368, 4.9986



11.0163, 29.1368, 39.1642



46.9442, 29.1368, 98.7103



56.0004, 29.1368, 25.2931

Sweetspot

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



14.5910, 29.1380, 4.9993



45.7627, 61.6035, 41.4880



30.7446, 37.4687, 5.6118



9.6768, 13.4838, 8.3948



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.



14.5910, 29.1380, 4.9993



26.1171, 52.1772, 8.8816



16.3396, 29.8375, 14.2071



7.9137, 8.9430, 8.5704



11.0025, 21.9663, 3.7868



0.3091, 0.6123, 0.1212

Inverse Universe

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



23.6769, 11.4109, 37.0242



42.3878, 20.4297, 66.2290



18.3432, 9.2774, 8.9372



8.3268, 8.1440, 10.0316



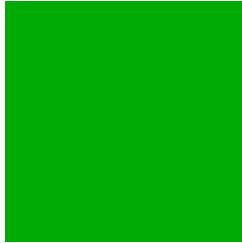
17.8517, 8.6032, 27.9284



0.4997, 0.2406, 0.7932

Previews

White Background



This preview shows how the XYZ color 14.5903, 29.1368, 4.9986 looks on a white background.

Color Contrast Check

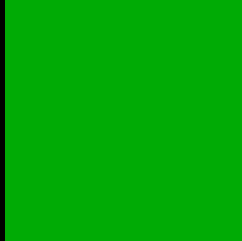
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.5903, 29.1368, 4.9986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

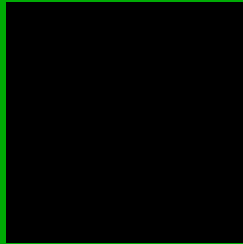
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.5903, 29.1368, 4.9986

Background



This preview shows how black text looks on a background with the XYZ color 14.5903, 29.1368, 4.9986.



This preview shows how white text looks on a background with the XYZ color 14.5903, 29.1368,

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

14.5903, 29.1368, 4.9986

Protanopia

25.7959, 28.5571, 4.1525

Deuteranopia

29.3337, 28.7892, 5.7611



Tritanopia

22.5170, 29.1525, 43.4700

Trichromacy



Original Color

14.5903, 29.1368, 4.9986



Protanomaly

17.5580, 26.4503, 4.2375



Deuteranomaly

18.5782, 25.9853, 4.9562



Tritanomaly

17.0931, 27.9229, 19.5277

Monochromacy



Original Color

14.5903, 29.1368, 4.9986



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

10.5586, 16.4050, 7.7643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5903, 29.1368, 4.9986 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(0, 171, 5)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 5)  
}
```

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(0, 171, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 5) }
```

Border

The CSS property to change the border of an element to XYZ 14.5903, 29.1368, 4.9986 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(0, 171, 5) }
```


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

```
.border{ border-color:rgb(0, 171, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 171, 5); box-shadow:4px  
4px 4px 4px rgb(0, 171, 5) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5903, 29.1368, 4.9986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 5) }
```

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

```
.background{ background-color: rgb(0, 171,  
5) }
```

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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