

Converting Colors

XYZ(14.1274, 28.1439, 5.0508)

Have a look what the booklet for
XYZ(14.1274, 28.1439, 5.0508)
contains.

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Color

**XYZ(14.0690, 28.0318,
5.0170)**

Conversions

Conversions Part 1

Format	Color
Hex	00A80C
RGB	0, 168, 12
RGB Percent	0%, 66%, 5%
CMY	1.0000, 0.3412, 0.9529
CMYK	1.00, 0.00, 0.93, 0.34
HSL	124°, 100%, 33%
HSV	124°, 100%, 66%
XYZ	14.0690, 28.0318, 5.0170
YIQ	99.9840, -50.0520, -84.1320

Conversions

Conversions Part 2

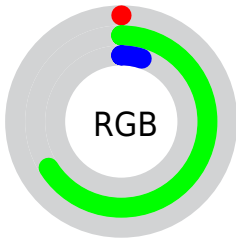
Format	Color
RYB	0, 157, 168
Decimal	43020
CIELab	59.92, -62.74, 59.19
CIELCh	60, 86.254, 136.667
Yxy	28.0318, 0.2986, 0.5949
Android (android.graphics.Color)	4278233100 (0xFF00A80C)
YUV	99.9840, -43.3761, -87.6860
Hunter-Lab	52.9451, -45.2214, 31.4433

Details

The XYZ color **14.0690, 28.0318, 5.0170** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **22.1490, 10.7252, 32.3510**, and the grayscale version is **12.2264, 12.8631, 14.0079**.

A 20% lighter version of the original color is **32.8809, 56.7659, 16.2451**, and **6.0173, 12.0346, 2.0058** is the 20% darker color. If you saturate the color by 10%, you get **14.0696, 28.0330, 5.0176**, and if you desaturate by 10%, it is **14.4358, 28.2057, 5.7579**.

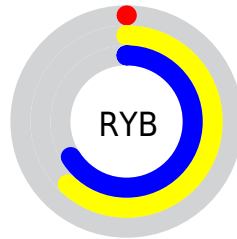
Distribution



Red (0%)

Green (66%)

Blue (5%)



Red (0%)

Yellow (62%)

Blue (66%)

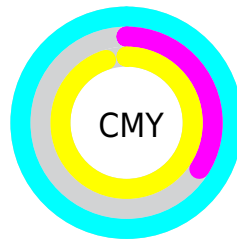


Cyan (100%)

Magenta (0%)

Yellow (93%)

Black (34%)



Cyan (100%)


Magenta (34%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.0690, 28.0318, 5.0170 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 14.0690, 28.0318, 5.0170 by changing the saturation by 10% instead.


 14.0690, 28.0318,
5.0170


 14.0690, 28.0318,
5.0170


211.1617,
292.6188, 158.9353


 8.2507, 18.3496,
2.1983


 32.7967, 56.5352,
16.2946


 4.3089, 11.2013,
0.6734


 46.4367, 76.1252,
25.5906

 1.8783, 6.2024,
0.0000

 63.4147, 99.7867,
37.8827

 0.5642, 2.9685,
0.0000

 84.0961, 127.9039,
53.5896


 0.0000, 1.1153,
0.0000


 108.8461,
160.8614, 73.1298


 0.0000, 0.0000,
0.0000


 138.0301,


199.0434, 96.9218


 172.0135,
242.8344, 125.3841


 14.0690, 28.0318,
5.0170


 14.0690, 28.0318,
5.0170


 14.0696, 28.0330,
5.0176

 14.4358, 28.2057,
5.7579

 15.0898, 28.5157,
7.0147

 16.1230, 29.0086,
8.8615

 17.5817, 29.7068,
11.3586

 19.5055, 30.6297,
14.5590

■ 21.9292, 31.7942,
18.5102

■ 24.8846, 33.2158,
23.2556

■ 28.4007, 34.9085,
28.8353

■ 32.5044, 36.8855,
35.2865

Harmonies

Analogous

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



21.0461, 28.0318, 1.5299



14.0690, 28.0318, 5.0170



10.9512, 28.0318, 18.6142

Triad

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



14.0690, 28.0318, 5.0170



22.0740, 28.0318, 134.9281



52.3526, 28.0318, 16.2810

Complementary

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



14.0690, 28.0318, 5.0170



22.1490, 10.7252, 32.3510

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.



52.8518, 28.0318, 46.6589



14.0690, 28.0318, 5.0170



33.1543, 28.0318, 132.4960

Square

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



14.0690, 28.0318, 5.0170



14.6428, 28.0318, 98.8088



45.0941, 28.0318, 93.4766



43.8746, 28.0318, 4.3085

Rectangle

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



14.0690, 28.0318, 5.0170



10.7177, 28.0318, 38.0763



45.0941, 28.0318, 93.4766



53.5263, 28.0318, 24.0392

Sweetspot

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



14.0697, 28.0330, 5.0176



44.8332, 60.1178, 41.6854



27.8694, 35.1547, 5.3167



9.2793, 12.8661, 8.2974



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



14.0697, 28.0330, 5.0176



25.5010, 50.8562, 8.9500



16.0780, 28.8363, 15.5933



7.4577, 8.4161, 8.1304



10.6322, 21.1716, 3.8300



0.2653, 0.5177, 0.1278

Inverse Universe

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



22.1490, 10.7252, 32.3510



40.1572, 19.4480, 58.5250



17.3451, 8.8036, 7.0541



7.8184, 7.6572, 9.3610



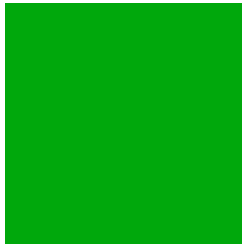
16.7334, 8.1021, 24.4711



0.4137, 0.1998, 0.6302

Previews

White Background



This preview shows how the XYZ color 14.0690, 28.0318, 5.0170 looks on a white background.

Color Contrast Check

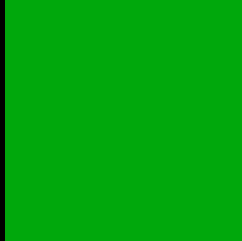
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.0690, 28.0318, 5.0170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

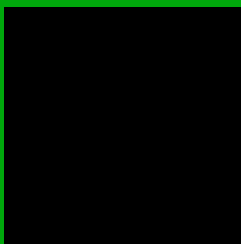
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

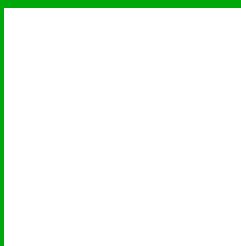
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.0690, 28.0318, 5.0170

Background



This preview shows how black text looks on a background with the XYZ color 14.0690, 28.0318, 5.0170.



This preview shows how white text looks on a background with the XYZ color 14.0690, 28.0318,

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

14.0690, 28.0318, 5.0170

Protanopia

24.8736, 27.6279, 4.0217

Deuteranopia

27.9764, 27.4516, 5.6579



Tritanopia

21.5757, 27.9436, 41.7926

Trichromacy



Original Color

14.0690, 28.0318, 5.0170



Protanomaly

17.0067, 25.6748, 4.1743



Deuteranomaly

17.8819, 24.9134, 5.0287



Tritanomaly

16.5776, 26.8694, 19.6418

Monochromacy



Original Color

14.0690, 28.0318, 5.0170



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

10.4914, 16.1746, 8.0379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.0690, 28.0318, 5.0170 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, 168, 12)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 12)  
}
```

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, 168, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 12) }
```

Border

The CSS property to change the border of an element to XYZ 14.0690, 28.0318, 5.0170 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, 168, 12) }
```


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

```
.border{ border-color:rgb(0, 168, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 12);  
box-shadow:4px 4px 4px 4px rgb(0, 168, 12)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.0690, 28.0318, 5.0170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 12) }
```

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

```
.background{ background-color: rgb(0, 168,  
12) }
```

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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