

Converting Colors

XYZ(15.1534, 30.0940, 5.7071)

Have a look what the booklet for
XYZ(15.1534, 30.0940, 5.7071)
contains.

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Color

**XYZ(15.0789, 29.9413,
5.6940)**

Conversions

Conversions Part 1

Format	Color
Hex	00AD15
RGB	0, 173, 21
RGB Percent	0%, 68%, 8%
CMY	1.0000, 0.3216, 0.9176
CMYK	1.00, 0.00, 0.88, 0.32
HSL	127°, 100%, 34%
HSV	127°, 100%, 68%
XYZ	15.0789, 29.9413, 5.6940
YIQ	103.9450, -54.3160, -83.9480

Conversions

Conversions Part 2

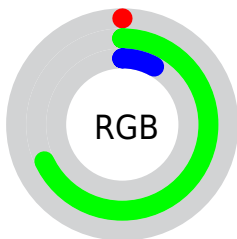
Format	Color
RYB	0, 154, 173
Decimal	44309
CIELab	61.60, -63.82, 59.01
CIELCh	62, 86.922, 137.245
Yxy	29.9413, 0.2973, 0.5904
Android (android.graphics.Color)	4278234389 (0xFF00AD15)
YUV	103.9450, -40.8919, -91.1598
Hunter-Lab	54.7186, -46.5681, 32.1334

Details

The XYZ color **15.0789, 29.9413, 5.6940** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **22.9012, 11.1514, 30.6482**, and the grayscale version is **13.2606, 13.9512, 15.1929**.

A 20% lighter version of the original color is **34.6820, 59.7050, 17.8799**, and **6.5968, 13.1937, 2.1989** is the 20% darker color. If you saturate the color by 10%, you get **15.0796, 29.9426, 5.6947**, and if you desaturate by 10%, it is **15.5024, 30.1390, 6.6862**.

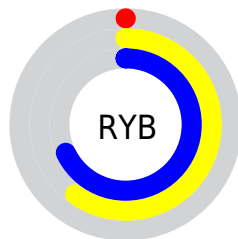
Distribution



Red (0%)

Green (68%)

Blue (8%)



Red (0%)

Yellow (60%)

Blue (68%)

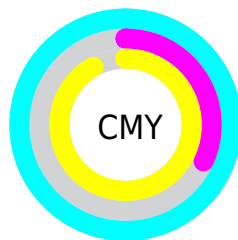


Cyan (100%)

Magenta (0%)

Yellow (88%)

Black (32%)



Cyan (100%)


Magenta (32%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.0789, 29.9413, 5.6940 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 15.0789, 29.9413, 5.6940 by changing the saturation by 10% instead.


 15.0789, 29.9413,
5.6940


 15.0789, 29.9413,
5.6940


217.2222,
301.6307, 165.5183


 8.9615, 19.7940,
2.5942


 34.5621, 59.5693,
17.7590


 4.7730, 12.2454,
0.8894


 48.6585, 79.8189,
27.5611


 2.1481, 6.9110,
0.0000


 66.1453, 104.2047,
40.4345

 0.7151, 3.4065,
0.0000

 87.3878, 133.1111,
56.7977

 0.0000, 1.3475,
0.0000

 112.7514,
166.9225, 77.0691

 0.0000, 0.1775,
0.0000

 142.6014,

 0.0000, 0.0000,

206.0233, 101.6673

0.0000

177.3032,
250.7979, 131.0109

■ 15.0789, 29.9413,
5.6940

■ 15.0789, 29.9413,
5.6940

■ 15.0796, 29.9426,
5.6947

■ 15.5024, 30.1390,
6.6862

■ 16.2305, 30.4814,
8.2075

■ 17.3567, 31.0164,
10.3207

■ 18.9284, 31.7672,
13.0783

■ 20.9863, 32.7539,
16.5269

■ 23.5663, 33.9940,
20.7089

■ 26.7009, 35.5036,
25.6631

■ 30.4202, 37.2973,
31.4256

■ 34.7518, 39.3886,
38.0305

Harmonies

Analogous

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



22.3749, 29.9413, 1.7827



15.0789, 29.9413, 5.6940



11.8411, 29.9413, 20.4889

Triad

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



15.0789, 29.9413, 5.6940



23.8358, 29.9413, 142.1278



55.3397, 29.9413, 17.1596

Complementary

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



15.0789, 29.9413, 5.6940



22.9012, 11.1514, 30.6482

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.



56.0435, 29.9413, 48.7371



15.0789, 29.9413, 5.6940



35.5550, 29.9413, 138.7172

Square

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



15.0789, 29.9413, 5.6940



15.8981, 29.9413, 105.0466



48.0541, 29.9413, 97.5532



46.3322, 29.9413, 4.6635

Rectangle

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



15.0789, 29.9413, 5.6940



11.6359, 29.9413, 41.2883



48.0541, 29.9413, 97.5532



56.6274, 29.9413, 25.2267

Sweetspot

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



15.0796, 29.9426, 5.6947



47.4984, 63.4287, 45.4589



28.0470, 36.6431, 5.5946



9.8039, 13.5347, 9.0640



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.



15.0796, 29.9426, 5.6947



26.9640, 53.6069, 9.9783



17.5815, 30.9433, 18.8693



7.9426, 8.9546, 8.7228



11.0897, 22.0012, 4.2461



0.3207, 0.6169, 0.1822

Inverse Universe

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



22.9012, 11.1514, 30.6482



40.9596, 19.9493, 54.6040



18.2271, 9.2817, 6.0344



8.2946, 8.1311, 9.8620



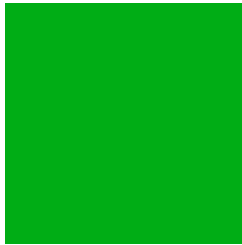
16.8378, 8.1976, 22.5888



0.4799, 0.2327, 0.6891

Previews

White Background



This preview shows how the XYZ color 15.0789, 29.9413, 5.6940 looks on a white background.

Color Contrast Check

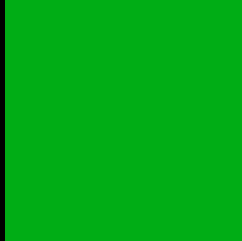
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0789, 29.9413, 5.6940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

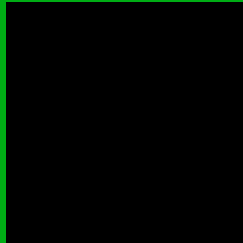
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.0789, 29.9413, 5.6940

Background



This preview shows how black text looks on a background with the XYZ color 15.0789, 29.9413, 5.6940.



This preview shows how white text looks on a background with the XYZ color 15.0789, 29.9413,

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

15.0789, 29.9413, 5.6940

Protanopia

26.5926, 29.4218, 4.6252

Deuteranopia

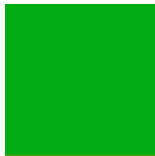
29.8036, 29.2376, 6.2631



Tritanopia

23.0573, 29.9234, 44.6050

Trichromacy



Original Color

15.0789, 29.9413, 5.6940



Protanomaly

18.0871, 27.2126, 4.7512



Deuteranomaly

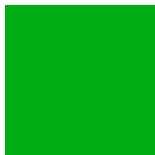
18.9882, 26.4235, 5.6128



Tritanomaly

17.8519, 28.7991, 21.7574

Monochromacy



Original Color

15.0789, 29.9413, 5.6940



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

11.3331, 17.3532, 9.2307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0789, 29.9413, 5.6940 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, 173, 21)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 21)  
}
```

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, 173, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 21) }
```

Border

The CSS property to change the border of an element to XYZ 15.0789, 29.9413, 5.6940 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, 173, 21) }
```


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

```
.border{ border-color:rgb(0, 173, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 173, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 21);  
box-shadow:4px 4px 4px 4px rgb(0, 173, 21)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.0789, 29.9413, 5.6940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 21) }
```

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

```
.background{ background-color: rgb(0, 173,  
21) }
```

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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