

Converting Colors

XYZ(15.4327, 29.4284, 9.5744)

Have a look what the booklet for
XYZ(15.4327, 29.4284, 9.5744)
contains.

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Color

**XYZ(15.4601, 29.4847,
9.5789)**

Conversions

Conversions Part 1

Format	Color
Hex	00AB3F
RGB	0, 171, 63
RGB Percent	0%, 67%, 25%
CMY	1.0000, 0.3294, 0.7529
CMYK	1.00, 0.00, 0.63, 0.33
HSL	142°, 100%, 34%
HSV	142°, 100%, 67%
XYZ	15.4601, 29.4847, 9.5789
YIQ	107.5590, -67.2480, -69.8400

Conversions

Conversions Part 2

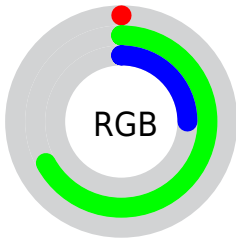
Format	Color
RYB	0, 125, 171
Decimal	43839
CIELab	61.21, -59.85, 44.17
CIELCh	61, 74.383, 143.577
Yxy	29.4847, 0.2835, 0.5408
Android (android.graphics.Color)	4278233919 (0xFF00AB3F)
YUV	107.5590, -21.9676, -94.3292
Hunter-Lab	54.2998, -44.2026, 27.5507

Details

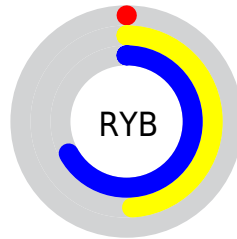
The XYZ color **15.4601, 29.4847, 9.5789** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **19.5022, 9.7411, 15.0404**, and the grayscale version is **14.2041, 14.9438, 16.2738**.

A 20% lighter version of the original color is **35.3521, 59.0518, 25.7545**, and **6.3887, 12.7335, 2.2647** is the 20% darker color. If you saturate the color by 10%, you get **15.4607, 29.4859, 9.5793**, and if you desaturate by 10%, it is **16.0259, 29.7389, 11.3394**.

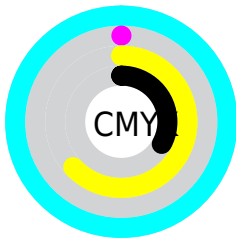
Distribution



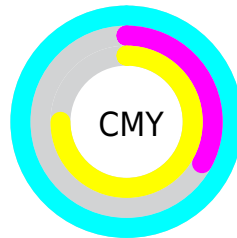
- Red (0%)
- Green (67%)
- Blue (25%)



- Red (0%)
- Yellow (49%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.4601, 29.4847, 9.5789 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 15.4601, 29.4847, 9.5789 by changing the saturation by 10% instead.


 15.4601, 29.4847,
9.5789


 15.4601, 29.4847,
9.5789


219.4680,
299.4951, 198.0140


 9.2313, 19.4478,
5.0187


 35.2234, 58.8463,
25.5957


 4.9507, 11.9943,
2.1993


 49.4887, 78.9398,
37.8894


 2.2528, 6.7398,
0.6740


 67.1635, 103.1542,
53.5980

 0.7704, 3.2999,
0.0000

 88.6132, 131.8741,
73.1401

 0.0000, 1.2902,
0.0000

 114.2031,
165.4837, 96.9342

 0.0000, 0.1336,
0.0000

 144.2987,

 0.0000, 0.0000,

204.3675, 125.3989

0.0000

179.2652,
248.9098, 158.9526

■ 15.4601, 29.4847,
9.5789

■ 15.4601, 29.4847,
9.5789

■ 15.4607, 29.4859,
9.5793

■ 16.0259, 29.7389,
11.3394

■ 16.8539, 30.1201,
13.4374

■ 18.0280, 30.6723,
15.8931

■ 19.5878, 31.4153,
18.7227

■ 21.5669, 32.3664,
21.9415

■ 23.9951, 33.5406,
25.5638

■ 26.8997, 34.9515,
29.6033

■ 30.3053, 36.6117,
34.0729

■ 34.2350, 38.5329,
38.9848

Harmonies

Analogous

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



21.1601, 29.4847, 3.7276



15.4601, 29.4847, 9.5789



13.1913, 29.4847, 26.4515

Triad

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



15.4601, 29.4847, 9.5789



25.9741, 29.4847, 120.7766



49.0165, 29.4847, 15.0307

Complementary

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



15.4601, 29.4847, 9.5789



19.5022, 9.7411, 15.0404

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.



51.1527, 29.4847, 38.5090



15.4601, 29.4847, 9.5789



36.2324, 29.4847, 111.0035

Square

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



15.4601, 29.4847, 9.5789



18.2821, 29.4847, 97.7975



46.0275, 29.4847, 75.8323



40.7280, 29.4847, 5.3521

Rectangle

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



15.4601, 29.4847, 9.5789



13.4391, 29.4847, 46.4668



46.0275, 29.4847, 75.8323



50.5470, 29.4847, 21.0551

Sweetspot

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



15.4608, 29.4859, 9.5796



47.8751, 62.4485, 52.6120



20.7847, 32.3342, 5.1457



10.1821, 13.6859, 11.0554



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.



15.4608, 29.4859, 9.5796



27.5944, 52.7681, 16.6607



19.9249, 31.2715, 33.0872



8.0219, 8.9863, 9.1405



11.6782, 22.2366, 7.3452



0.3517, 0.6293, 0.3457

Inverse Universe

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



19.5022, 9.7411, 15.0404



34.8204, 17.4028, 26.3794



16.9480, 8.7194, 1.5900



8.2100, 8.0972, 9.4166



14.7272, 7.3534, 11.4746



0.4349, 0.2146, 0.4518

Previews

White Background



This preview shows how the XYZ color 15.4601, 29.4847, 9.5789 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 15.4601, 29.4847, 9.5789 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 15.4601, 29.4847, 9.5789

Background



This preview shows how black text looks on a background with the XYZ color 15.4601, 29.4847, 9.5789.



This preview shows how white text looks on a background with the XYZ color 15.4601, 29.4847,

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

15.4601, 29.4847, 9.5789

Protanopia

26.4574, 29.0455, 7.9533

Deuteranopia

29.6038, 29.0478, 10.1774



Tritanopia

22.5679, 29.4240, 44.0251

Trichromacy



Original Color

15.4601, 29.4847, 9.5789



Protanomaly

18.3868, 27.0358, 8.3870



Deuteranomaly

19.2110, 26.2077, 9.6763



Tritanomaly

18.5478, 28.7798, 26.7678

Monochromacy



Original Color

15.4601, 29.4847, 9.5789



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

12.5023, 18.2705, 12.9928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4601, 29.4847, 9.5789 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 63) }
```

Border

The CSS property to change the border of an element to XYZ 15.4601, 29.4847, 9.5789 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, 63) }
```


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

```
.border{ border-color:rgb(0, 171, 63) }
```

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, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 63);  
box-shadow:4px 4px 4px 4px rgb(0, 171, 63)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.4601, 29.4847, 9.5789 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, 63) }
```

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

```
.background{ background-color: rgb(0, 171,  
63) }
```

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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