

Converting Colors

XYZ(8.5482, 25.4662, 14.4039)

Have a look what the booklet for
XYZ(8.5482, 25.4662, 14.4039)
contains.

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Color

**XYZ(16.2631, 29.5048,
14.7354)**

Conversions

Conversions Part 1

Format	Color
Hex	00AA5B
RGB	0, 170, 91
RGB Percent	0%, 67%, 36%
CMY	1.0000, 0.3333, 0.6431
CMYK	1.00, 0.00, 0.46, 0.33
HSL	152°, 100%, 33%
HSV	152°, 100%, 67%
XYZ	16.2631, 29.5048, 14.7354
YIQ	110.1640, -75.9610, -60.6090

Conversions

Conversions Part 2

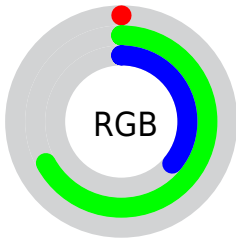
Format	Color
RYB	0, 111, 170
Decimal	43611
CIELab	61.22, -55.28, 30.46
CIELCh	61, 63.120, 151.143
Yxy	29.5048, 0.2688, 0.4877
Android (android.graphics.Color)	4278233691 (0xFF00AA5B)
YUV	110.1640, -9.4479, -96.6138
Hunter-Lab	54.3183, -41.6135, 21.9387

Details

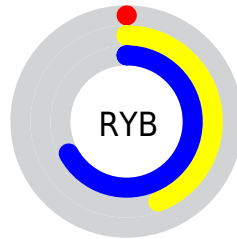
The XYZ color **16.2631, 29.5048, 14.7354** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **17.9900, 9.1113, 8.2100**, and the grayscale version is **14.9114, 15.6880, 17.0842**.

A 20% lighter version of the original color is **36.4925, 58.6210, 34.9828**, and **6.6814, 12.6652, 4.3780** is the 20% darker color. If you saturate the color by 10%, you get **16.2635, 29.5058, 14.7348**, and if you desaturate by 10%, it is **16.8541, 29.7688, 16.6377**.

Distribution



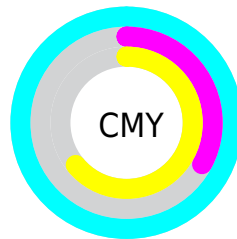
- Red (0%)
- Green (67%)
- Blue (36%)



- Red (0%)
- Yellow (44%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2631, 29.5048, 14.7354 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 16.2631, 29.5048, 14.7354 by changing the saturation by 10% instead.


 16.2631, 29.5048,
14.7354


 16.2631, 29.5048,
14.7354


224.1292,
299.5893, 233.3444


 9.8025, 19.4630,
8.4893


 36.6081, 58.8782,
35.1240


 5.3295, 12.0053,
4.3174


 51.2233, 78.9785,
50.1037


 2.4786, 6.7473,
1.8010


 69.2874, 103.2006,
68.8316

 0.8845, 3.3046,
0.4286

 91.1658, 131.9286,
91.7264

 0.0000, 1.2927,
0.0000

 117.2238,
165.5472, 119.2065

 0.0000, 0.1356,
0.0000

 147.8268,

 0.0000, 0.0000,

204.4405, 151.6905

0.0000

183.3402,
248.9931, 189.5969

■ 16.2631, 29.5048,
14.7354

■ 16.2631, 29.5048,
14.7354

■ 16.2635, 29.5058,
14.7348

■ 16.8541, 29.7688,
16.6377

■ 17.6789, 30.1482,
18.7432

■ 18.8186, 30.6857,
21.0616

■ 20.3105, 31.4001,
23.5998

■ 22.1860, 32.3078,
26.3641

■ 24.4732, 33.4229,
29.3605

■ 27.1971, 34.7583,
32.5949

■ 30.3809, 36.3260,
36.0727

■ 34.0460, 38.1367,
39.7993

Harmonies

Analogous

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



20.5754, 29.5048, 6.7418



16.2631, 29.5048, 14.7354



14.9261, 29.5048, 33.0459

Triad

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



16.2631, 29.5048, 14.7354



28.3629, 29.5048, 102.8776



44.0335, 29.5048, 13.8162

Complementary

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



16.2631, 29.5048, 14.7354



17.9900, 9.1113, 8.2100

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.



47.2087, 29.5048, 31.2227



16.2631, 29.5048, 14.7354



37.1298, 29.5048, 89.2423

Square

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



16.2631, 29.5048, 14.7354



21.0271, 29.5048, 91.0558



44.4648, 29.5048, 59.6062



36.4690, 29.5048, 6.4250

Rectangle

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



16.2631, 29.5048, 14.7354



15.6405, 29.5048, 51.5845



44.4648, 29.5048, 59.6062



45.7096, 29.5048, 18.3030

Sweetspot

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



16.2638, 29.5060, 14.7361



49.0508, 62.9187, 58.8032



17.6282, 30.4275, 4.9443



10.4693, 13.8008, 12.5677



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.



16.2638, 29.5060, 14.7361



29.3962, 53.4888, 26.1488



20.5919, 29.5740, 42.6547



7.5983, 8.4724, 8.8707



11.9916, 21.7154, 10.9883



0.3172, 0.5385, 0.4014

Inverse Universe

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



17.9900, 9.1113, 8.2100



32.5315, 16.4872, 14.3263



16.6399, 8.6697, 0.7967



7.6707, 7.5982, 8.5833



13.2606, 6.7130, 6.1839



0.3486, 0.1737, 0.2874

Previews

White Background



This preview shows how the XYZ color 16.2631, 29.5048, 14.7354 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 16.2631, 29.5048, 14.7354 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 16.2631, 29.5048, 14.7354

Background



This preview shows how black text looks on a background with the XYZ color 16.2631, 29.5048, 14.7354.



This preview shows how white text looks on a background with the XYZ color 16.2631, 29.5048,

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

16.2631, 29.5048, 14.7354

Protanopia

26.6930, 29.0690, 12.3876

Deuteranopia

29.4872, 28.8681, 15.5732



Tritanopia

22.4992, 29.6357, 44.5788

Trichromacy



Original Color

16.2631, 29.5048, 14.7354



Protanomaly

18.8805, 26.9394, 13.0088



Deuteranomaly

19.8143, 26.4042, 14.8787



Tritanomaly

19.2240, 29.0360, 30.9768

Monochromacy



Original Color

16.2631, 29.5048, 14.7354



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

13.2252, 18.7839, 15.7606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2631, 29.5048, 14.7354 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, 170, 91)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 91)  
}
```

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, 170, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 91) }
```

Border

The CSS property to change the border of an element to XYZ 16.2631, 29.5048, 14.7354 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, 170, 91) }
```


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

```
.border{ border-color:rgb(0, 170, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 91);  
box-shadow:4px 4px 4px 4px rgb(0, 170, 91)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.2631, 29.5048, 14.7354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 91) }
```

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

```
.background{ background-color: rgb(0, 170,  
91) }
```

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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