

Converting Colors

XYZ(16.5327, 29.9425, 13.9250)

Have a look what the booklet for
XYZ(16.5327, 29.9425, 13.9250)
contains.

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Color

**XYZ(16.5327, 29.9425,
13.9250)**

Conversions

Conversions Part 1

Format	Color
Hex	12AB57
RGB	18, 171, 87
RGB Percent	7%, 67%, 34%
CMY	0.9294, 0.3294, 0.6588
CMYK	0.89, 0.00, 0.49, 0.33
HSL	147°, 81%, 37%
HSV	147°, 89%, 67%
XYZ	16.5327, 29.9425, 13.9250
YIQ	115.6770, -64.2240, -58.5600

Conversions

Conversions Part 2

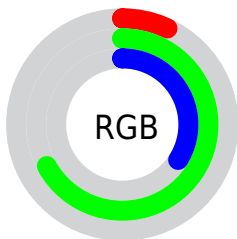
Format	Color
RYB	18, 123, 171
Decimal	1223511
CIELab	61.60, -55.39, 33.04
CIElCh	62, 64.498, 149.189
Yxy	29.9425, 0.2737, 0.4957
Android (android.graphics.Color)	4279413591 (0xFF12AB57)
YUV	115.6770, -14.1378, -85.6627
Hunter-Lab	54.7197, -41.8286, 23.2158

Details

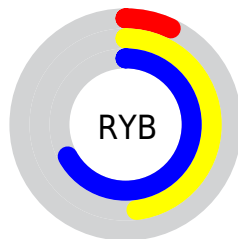
The XYZ color **16.5327, 29.9425, 13.9250** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **19.4103, 10.0506, 13.4895**, and the grayscale version is **16.5587, 17.4210, 18.9715**.

A 20% lighter version of the original color is **37.1547, 59.8086, 33.6307**, and **6.7275, 12.8691, 4.0489** is the 20% darker color. If you saturate the color by 10%, you get **15.9361, 29.6773, 12.0237**, and if you desaturate by 10%, it is **17.3896, 30.3379, 16.1003**.

Distribution



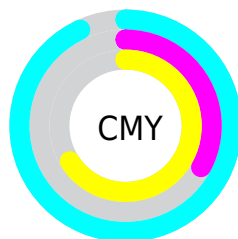
- Red (7%)
- Green (67%)
- Blue (34%)



- Red (7%)
- Yellow (48%)
- Blue (67%)



- Cyan (89%)
- Magenta (0%)
- Yellow (49%)
- Black (33%)




- Cyan (93%)
- Magenta (33%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.5327, 29.9425, 13.9250 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 16.5327, 29.9425, 13.9250 by changing the saturation by 10% instead.


 16.5327, 29.9425,
13.9250


 16.5327, 29.9425,
13.9250


225.6740,
301.6363, 228.1759


 9.9951, 19.7949,
7.9304


 37.0706, 59.5712,
33.6711


 5.4580, 12.2461,
3.9633


 51.8016, 79.8212,
48.2596


 2.5559, 6.9115,
1.6052


 69.9945, 104.2074,
66.5499

 0.9235, 3.4068,
0.2945

 92.0145, 133.1143,
88.9604

 0.0000, 1.3476,
0.0000

 118.2272,
166.9263, 115.9098

 0.0000, 0.1776,
0.0000

 148.9977,

 0.0000, 0.0000,

206.0277, 147.8164

0.0000

184.6915,
250.8029, 185.0990

■ 16.5327, 29.9425,
13.9250

■ 16.5327, 29.9425,
13.9250

■ 15.9361, 29.6773,
12.0237

■ 17.3896, 30.3379,
16.1003

■ 15.9071, 29.6643,
11.9300

■ 18.5805, 30.8985,
18.5605

■ 20.1439, 31.6451,
21.3170

■ 22.1124, 32.5942,
24.3800

■ 24.5149, 33.7604,
27.7589

■ 27.3774, 35.1570,
31.4629

■ 30.7237, 36.7962,
35.5006

■ 34.5762, 38.6893,
39.8803

■ 38.9557, 40.8468,
44.6101

Harmonies

Analogous

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



21.1622, 29.9425, 6.3338



16.5327, 29.9425, 13.9250



14.9683, 29.9425, 31.9395

Triad

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



16.5327, 29.9425, 13.9250



28.2271, 29.9425, 106.1179



45.3864, 29.9425, 14.5909

Complementary

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



16.5327, 29.9425, 13.9250



19.4103, 10.0506, 13.4895

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.



48.2978, 29.9425, 33.2742



16.5327, 29.9425, 13.9250



37.2667, 29.9425, 93.5139

Square

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



16.5327, 29.9425, 13.9250



20.8326, 29.9425, 92.1732



45.0691, 29.9425, 63.2047



37.7518, 29.9425, 6.5603

Rectangle

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



16.5327, 29.9425, 13.9250



15.5711, 29.9425, 50.6839



45.0691, 29.9425, 63.2047



47.0104, 29.9425, 19.4313

Sweetspot

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



16.5334, 29.9437, 13.9257



50.1530, 63.5116, 57.7385



20.1698, 32.0044, 5.6870



10.7735, 13.9624, 12.3644



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.



16.5334, 29.9437, 13.9257



28.3839, 53.0839, 20.8184



21.4556, 31.9126, 39.8453



8.0490, 8.9972, 9.2830



12.0170, 22.3721, 9.1293



0.3621, 0.6335, 0.4004

Inverse Universe

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



19.4103, 10.0506, 13.4895



33.5790, 16.9062, 19.8423



17.1943, 9.1642, 1.8200



8.1823, 8.0862, 9.2707



14.2067, 7.1452, 8.7339



0.4223, 0.2096, 0.3856

Previews

White Background



This preview shows how the XYZ color 16.5327, 29.9425, 13.9250 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 16.5327, 29.9425, 13.9250 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 16.5327, 29.9425, 13.9250

Background



This preview shows how black text looks on a background with the XYZ color 16.5327, 29.9425, 13.9250.



This preview shows how white text looks on a background with the XYZ color 16.5327, 29.9425,

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

16.5327, 29.9425, 13.9250

Protanopia

27.1054, 29.5309, 11.6686

Deuteranopia

29.9054, 29.3229, 14.6734



Tritanopia

22.6996, 29.7390, 44.5882

Trichromacy



Original Color

16.5327, 29.9425, 13.9250



Protanomaly

19.8419, 27.7011, 12.2837



Deuteranomaly

20.8623, 27.2049, 14.0490



Tritanomaly

19.6042, 29.5162, 30.2551

Monochromacy



Original Color

16.5327, 29.9425, 13.9250



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

14.6622, 20.3337, 16.5166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5327, 29.9425, 13.9250 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(18, 171, 87)` looks like.

```
.text, #text, p{  
    color:rgb(18, 171, 87)  
}
```

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(18, 171, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 171, 87) }
```

Border

The CSS property to change the border of an element to XYZ 16.5327, 29.9425, 13.9250 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(18, 171, 87) }
```


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

```
.border{ border-color:rgb(18, 171, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 171, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 171, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 171, 87);  
box-shadow:4px 4px 4px 4px rgb(18, 171,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5327, 29.9425, 13.9250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 171, 87) }
```

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

```
.background{ background-color: rgb(18, 171,  
87) }
```

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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