

Converting Colors

XYZ(16.5284, 29.8973, 13.9634)

Have a look what the booklet for
XYZ(16.5284, 29.8973, 13.9634)
contains.

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Color

**XYZ(16.5518, 29.9524,
13.9258)**

Conversions

Conversions Part 1

Format	Color
Hex	13AB57
RGB	19, 171, 87
RGB Percent	7%, 67%, 34%
CMY	0.9255, 0.3294, 0.6588
CMYK	0.89, 0.00, 0.49, 0.33
HSL	147°, 80%, 37%
HSV	147°, 89%, 67%
XYZ	16.5518, 29.9524, 13.9258
YIQ	115.9760, -63.6280, -58.3480

Conversions

Conversions Part 2

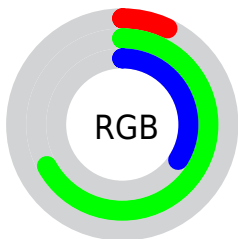
Format	Color
R_{YB}	19, 124, 171
Decimal	1289047
CIE _{Lab}	61.61, -55.32, 33.05
CIE _{LCh}	62, 64.444, 149.147
Yxy	29.9524, 0.2739, 0.4957
Android (android.graphics.Color)	4279479127 (0xFF13AB57)
YUV	115.9760, -14.2852, -85.0480
Hunter-Lab	54.7288, -41.7911, 23.2237

Details

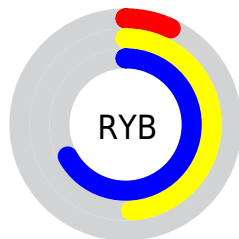
The XYZ color **16.5518, 29.9524, 13.9258** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **19.4768, 10.1037, 13.7576**, and the grayscale version is **16.6505, 17.5177, 19.0767**.

A 20% lighter version of the original color is **37.2606, 59.8632, 33.6357**, and **6.7275, 12.8691, 4.0489** is the 20% darker color. If you saturate the color by 10%, you get **15.9465, 29.6829, 12.0126**, and if you desaturate by 10%, it is **17.4270, 30.3568, 16.1169**.

Distribution



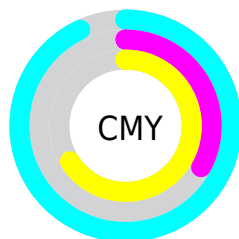
- Red (7%)
- Green (67%)
- Blue (34%)



- Red (7%)
- Yellow (49%)
- 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 16.5518, 29.9524, 13.9258 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 16.5518, 29.9524, 13.9258 by changing the saturation by 10% instead.


 16.5518, 29.9524,
13.9258


 16.5518, 29.9524,
13.9258


225.7831,
301.6825, 228.1811


 10.0088, 19.8025,
7.9309


 37.1033, 59.5869,
33.6725


 5.4671, 12.2515,
3.9636


 51.8425, 79.8402,
48.2615


 2.5614, 6.9152,
1.6054


 70.0444, 104.2302,
66.5522

 0.9263, 3.4091,
0.2947

 92.0745, 133.1411,
88.9632

 0.0000, 1.3489,
0.0000

 118.2980,
166.9574, 115.9131

 0.0000, 0.1786,
0.0000

 149.0804,

 0.0000, 0.0000,

206.0635, 147.8203

0.0000

184.7870,
250.8437, 185.1035

■ 16.5518, 29.9524,
13.9258

■ 16.5518, 29.9524,
13.9258

■ 15.9465, 29.6829,
12.0126

■ 17.4270, 30.3568,
16.1169

■ 15.8854, 29.6557,
11.8155

■ 18.6391, 30.9281,
18.5966

■ 20.2264, 31.6865,
21.3766

■ 22.2213, 32.6485,
24.4671

■ 24.6524, 33.8289,
27.8778

■ 27.5457, 35.2406,
31.6178

■ 30.9250, 36.8959,
35.6961

■ 34.8125, 38.8061,
40.1211

■ 39.2289, 40.9816,
44.9009

Harmonies

Analogous

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



21.1840, 29.9524, 6.3433



16.5518, 29.9524, 13.9258



14.9836, 29.9524, 31.9167

Triad

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



16.5518, 29.9524, 13.9258



28.2247, 29.9524, 106.0538



45.3908, 29.9524, 14.6261

Complementary

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



16.5518, 29.9524, 13.9258



19.4768, 10.1037, 13.7576

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.



48.2913, 29.9524, 33.3195



16.5518, 29.9524, 13.9258



37.2573, 29.9524, 93.4999

Square

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



16.5518, 29.9524, 13.9258



20.8376, 29.9524, 92.0916



45.0574, 29.9524, 63.2361



37.7671, 29.9524, 6.5817

Rectangle

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



16.5518, 29.9524, 13.9258



15.5835, 29.9524, 50.6372



45.0574, 29.9524, 63.2361



47.0109, 29.9524, 19.4712

Sweetspot

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



16.5525, 29.9536, 13.9265



50.1295, 63.5022, 57.6150



20.5230, 32.1856, 5.7472



10.7678, 13.9602, 12.3344



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.



16.5525, 29.9536, 13.9265



28.3453, 53.0684, 20.6150



21.2537, 31.8341, 38.6825



8.0478, 8.9967, 9.2768



12.0005, 22.3655, 9.0425



0.3617, 0.6333, 0.3980

Inverse Universe

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



19.4768, 10.1037, 13.7576



33.6288, 16.9261, 20.1044



17.2517, 9.2136, 2.0406



8.1835, 8.0866, 9.2771



14.2276, 7.1536, 8.8442



0.4228, 0.2098, 0.3884

Previews

White Background



This preview shows how the XYZ color 16.5518, 29.9524, 13.9258 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 16.5518, 29.9524, 13.9258 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 16.5518, 29.9524, 13.9258

Background



This preview shows how black text looks on a background with the XYZ color 16.5518, 29.9524, 13.9258.



This preview shows how white text looks on a background with the XYZ color 16.5518, 29.9524,

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

16.5518, 29.9524, 13.9258

Protanopia

27.1054, 29.5309, 11.6686

Deuteranopia

29.9054, 29.3229, 14.6734



Tritanopia

22.6996, 29.7390, 44.5882

Trichromacy



Original Color

16.5518, 29.9524, 13.9258



Protanomaly

19.9670, 27.7656, 12.2896



Deuteranomaly

20.8623, 27.2049, 14.0490



Tritanomaly

19.6530, 29.5414, 30.2574

Monochromacy



Original Color

16.5518, 29.9524, 13.9258



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

14.7473, 20.3776, 16.5206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5518, 29.9524, 13.9258 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(19, 171, 87)` looks like.

```
.text, #text, p{  
    color:rgb(19, 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(19, 171, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 171, 87) }
```

Border

The CSS property to change the border of an element to XYZ 16.5518, 29.9524, 13.9258 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(19, 171, 87) }
```


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

```
.border{ border-color:rgb(19, 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(19, 171, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 171, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 171, 87);  
box-shadow:4px 4px 4px 4px rgb(19, 171,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5518, 29.9524, 13.9258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 171, 87) }
```

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

```
.background{ background-color: rgb(19, 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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