

Converting Colors

XYZ(16.2089, 29.9323, 4.9232)

Have a look what the booklet for
XYZ(16.2089, 29.9323, 4.9232)
contains.

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Color

**XYZ(16.2503, 29.9957,
4.9333)**

Conversions

Conversions Part 1

Format	Color
Hex	39AB00
RGB	57, 171, 0
RGB Percent	22%, 67%, 0%
CMY	0.7765, 0.3294, 0.9999
CMYK	0.67, 0.00, 1.00, 0.33
HSL	100°, 100%, 34%
HSV	100°, 100%, 67%
XYZ	16.2503, 29.9957, 4.9333
YIQ	117.4200, -13.0530, -77.3490

Conversions

Conversions Part 2

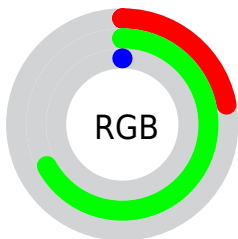
Format	Color
RYB	0, 171, 114
Decimal	3779328
CIELab	61.65, -57.19, 62.58
CIELCh	62, 84.777, 132.424
Yxy	29.9957, 0.3175, 0.5861
Android (android.graphics.Color)	4281969408 (0xFF39AB00)
YUV	117.4200, -57.8881, -52.9883
Hunter-Lab	54.7683, -42.8819, 32.9972

Details

The XYZ color **16.2503, 29.9957, 4.9333** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **14.2932, 6.5195, 39.0348**, and the grayscale version is **17.2178, 18.1144, 19.7266**.

A 20% lighter version of the original color is **36.4508, 59.4257, 16.0277**, and **6.3613, 12.7226, 2.1204** is the 20% darker color. If you saturate the color by 10%, you get **16.2503, 29.9966, 4.9334**, and if you desaturate by 10%, it is **17.0777, 30.4113, 5.5050**.

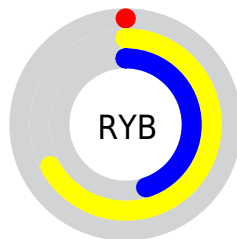
Distribution



Red (22%)

Green (67%)

Blue (0%)



Red (0%)

Yellow (67%)

Blue (45%)

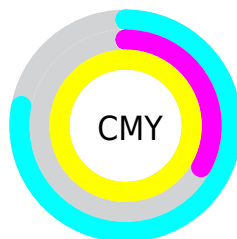


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (78%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2503, 29.9957, 4.9333 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 16.2503, 29.9957, 4.9333 by changing the saturation by 10% instead.

■ 16.2503, 29.9957,
4.9333

■ 16.2503, 29.9957,
4.9333

224.0557,
301.8844, 158.0941

■ 9.7934, 19.8353,
2.1501

■ 36.5861, 59.6554,
16.1107

■ 5.3234, 12.2754,
0.6454

■ 51.1958, 79.9235,
25.3420

■ 2.4749, 6.9315,
0.0000

■ 69.2538, 104.3296,
37.5597

■ 0.8826, 3.4193,
0.0000

■ 91.1254, 133.2581,
53.1824

■ 0.0000, 1.3544,
0.0000

■ 117.1761,
167.0935, 72.6287


■ 0.0000, 0.1827,
0.0000


■ 147.7711,


■ 0.0000, 0.0000,


206.2201, 96.3170


0.0000


 183.2758,
251.0222, 124.6660

 16.2503, 29.9957,
4.9333


 16.2503, 29.9957,
4.9333


 16.2503, 29.9966,
4.9334

 17.0777, 30.4113,
5.5050

 18.1471, 30.9407,
6.5456

 19.5027, 31.6035,
8.2410

 21.1682, 32.4099,
10.6761

 23.1643, 33.3691,
13.9228

■ 25.5099, 34.4895,
18.0446

■ 28.2221, 35.7787,
23.0986

■ 31.3170, 37.2437,
29.1373

■ 34.8096, 38.8913,
36.2090

Harmonies

Analogous

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



24.0986, 29.9957, 1.8149



16.2503, 29.9957, 4.9333



12.4429, 29.9957, 17.2787

Triad

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



16.2503, 29.9957, 4.9333



22.4556, 29.9957, 134.6982



55.3316, 29.9957, 21.0479

Complementary

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



16.2503, 29.9957, 4.9333



14.2932, 6.5195, 39.0348

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.



54.5510, 29.9957, 55.2071



16.2503, 29.9957, 4.9333



33.4294, 29.9957, 138.4451

Square

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



16.2503, 29.9957, 4.9333



15.3218, 29.9957, 94.9416



45.7642, 29.9957, 103.2038



47.6783, 29.9957, 6.1386

Rectangle

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



16.2503, 29.9957, 4.9333



11.8808, 29.9957, 35.3549



45.7642, 29.9957, 103.2038



56.0942, 29.9957, 30.1061

Sweetspot

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



16.2510, 29.9970, 4.9340



50.2626, 63.9424, 40.8334



22.8136, 20.6947, 2.7926



10.7505, 14.0418, 8.2418



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.



16.2510, 29.9970, 4.9340



28.9005, 53.6162, 8.8257



14.7796, 29.2135, 5.9910



8.1466, 9.0642, 8.5336



12.3006, 22.6383, 3.7213



0.4011, 0.6602, 0.1063

Inverse Universe

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



14.2932, 6.5195, 39.0348



25.3622, 11.5539, 69.8953



21.7160, 10.6269, 26.6973



8.0738, 8.0124, 10.0737



10.8313, 4.9436, 29.4279



0.3561, 0.1658, 0.8212

Previews

White Background



This preview shows how the XYZ color 16.2503, 29.9957, 4.9333 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 16.2503, 29.9957, 4.9333 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 ✓ Pass

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

XYZ 16.2503, 29.9957, 4.9333

Background



This preview shows how black text looks on a background with the XYZ color 16.2503, 29.9957, 4.9333.



This preview shows how white text looks on a background with the XYZ color 16.2503, 29.9957,

4.9333.

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

16.2503, 29.9957, 4.9333

Protanopia

26.5263, 29.3953, 4.2758

Deuteranopia

29.9462, 29.3226, 5.7506



Tritanopia

23.9644, 29.8987, 43.5377

Trichromacy



Original Color

16.2503, 29.9957, 4.9333



Protanomaly

20.6409, 28.2890, 4.3724



Deuteranomaly

21.8687, 27.6840, 5.0016



Tritanomaly

18.9181, 28.8763, 19.0446

Monochromacy



Original Color

16.2503, 29.9957, 4.9333



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

14.9010, 20.8186, 9.7116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2503, 29.9957, 4.9333 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(57, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(57, 171, 0)  
}
```

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(57, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 171, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.2503, 29.9957, 4.9333 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(57, 171, 0) }
```


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

```
.border{ border-color:rgb(57, 171, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 171, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(57, 171, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.2503, 29.9957, 4.9333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 171, 0) }
```

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

```
.background{ background-color: rgb(57, 171,  
0) }
```

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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